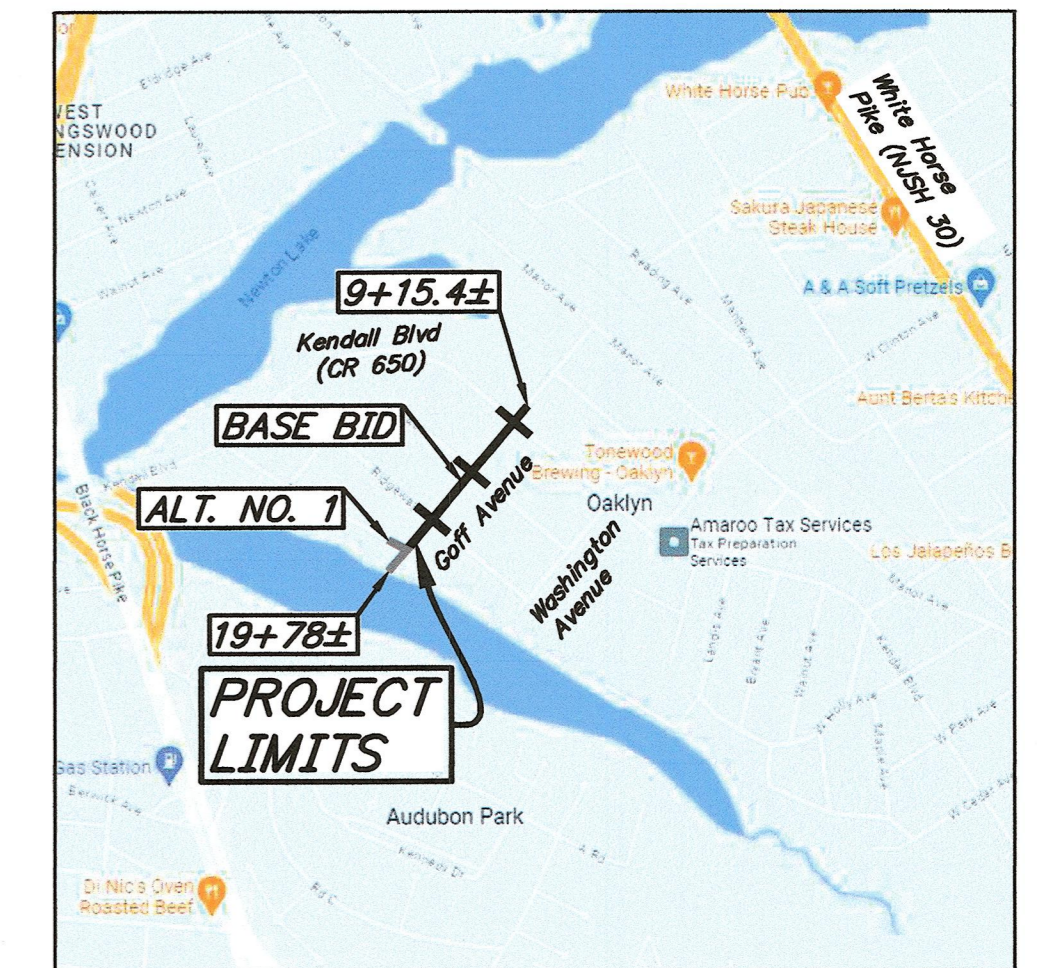


CONSTRUCTION PLANS

FOR
IMPROVEMENTS TO GOFF AVENUE FROM
KENDALL BOULEVARD (CR 650) TO PETER'S CREEK (DEAD END)
IN THE
BOROUGH OF OAKLYN
CAMDEN COUNTY, NEW JERSEY

(PARTIALLY FUNDED THROUGH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION MUNICIPAL AID PROGRAM, FY2023)
(KEI#25-263OK0522)
LENGTH OF PROJECT 1,062.6 FT. ±/ 0.20 MILES ±



Key Map
scale 1 inch = 1,000 feet
TAKEN FROM GOOGLE MAPS

Base Bid:
Improvements to Goff Avenue from Kendall Boulevard (CR 650) to Eden Avenue
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

Alternate No. 1:
Improvements to Goff Avenue from Eden Avenue to Peters Creek (Dead End)
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

Alternate No. 2:
Sump Pump/ Roof Drain Collection System Along Goff Avenue from Kendall Boulevard (CR 650) to Peters Creek (Dead End)
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

Alternate No. 3:
Remaining Concrete Sidewalk Replacement Along Goff Avenue from Kendall Boulevard (CR 650) to Peters Creek (Dead End)
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

General Construction Notes:

- All clearing items (concrete, etc.) shall be removed from the project and disposed of at a lawful disposal site to be furnished by the contractor, at his expense.
- The Contractor shall procure all required permits, licenses and inspections. Contractor shall be responsible for all charges and fees as well as, give notices necessary for all incidentals for project. County Road Opening Permits & Soil Conservation Permits, if required shall be obtained by the Municipality at no cost to the Contractor.
- All construction debris (asphalt, concrete, etc.) must be removed from the project site prior to the end of each day to eliminate any potential hazards.
- All demolition/ removal items (concrete, asphalt, pipe etc.) shall be removed from the project and disposed of at a lawful disposal site, provided by the contractor, at his expense.
- Excess excavated materials shall be delivered to a lawful site location, provided by the Contractor at his expense.
- The quantities of all asphalt or concrete, which is to be recycled, must be reported to the Municipality and County.
- All areas disturbed/damaged by the Contractor, shall be returned to its original condition or better, by the Contractor, at his expense.
- The location of all existing utility lines, mains, services, appurtenances must be verified by the Contractor prior to the commencement of construction. The Contractor shall perform test pits in the presence of the Construction Engineer. The Contractor shall be responsible for the repair of any damage caused by his operations. He shall notify the respective utility company for location/markout prior to any excavation and the performance of the above mentioned test pits.
- The Contractor is required to perform the proper notification of New Jersey One - Call Center (formerly the Garden State Underground Plant Location Service) prior to excavation for the purpose of identifying the location of underground facilities. This requirement is in accordance with the Underground Facilities Protection Act (P.L. 1994 c. 118). Any and all utilities not subscribing to the New Jersey One - Call Center shall be contacted individually. No work shall commence without proper notifications and verification of all markouts being performed.
- All Utility Contractors shall procure all required permits, licenses and inspections, pay all charges and give notices necessary for all incidentals to the due and lawful prosecution of the project.
- The Contractor shall be required to coordinate his work with any and all utility companies in order to eliminate any conflicts and/or delays.
- The Contractor shall be responsible for properly backfilling and compacting all trenches. No trenches shall be left open after construction hours for the day. All construction areas are to be kept in a condition that allows for safe movement of all vehicular and pedestrian traffic. (There will be no specific payment for this item, cost to be included in the price for the various items in the Proposal.)
- All areas adjacent to newly installed concrete curbing, sidewalk, etc., shall be backfilled to finished grade prior to the end of each day to eliminate any potential hazards. (There will be no specific payment for this item, cost to be included in the price for various items in the Proposal.)
- All areas of disturbance shall be graded so as to eliminate any mounds and/or depressions prior to the end of each day to eliminate any potential hazards. (There will be no specific payment for this item, cost to be included in the price for the various items in the Proposal.)
- In accordance with the "Maintenance and Protection of Pedestrian and Vehicular Traffic" specification, the Contractor shall maintain "two (2) lanes of traffic, a minimum of 10 feet wide each, during all other hours." The Contractor shall provide the Engineer with a Staging Plan with the proper traffic control measures to protect both pedestrian and vehicular traffic, during all other hours. The Staging Plan shall be submitted to the Engineer and Chief of Police prior to the commencement of construction for approval.
- Barricades, lighting devices and other traffic control devices shall be placed in accordance with and shall conform to Section 110, New Jersey Department of Transportation Traffic Control Standard Specifications for Road and Bridge Construction, Part 6 of the current M.U.T.C.D. and Work Zone Traffic Control (US Department of Transportation).
- Traffic/pedestrian control devices and equipment shall be placed in accordance with all applicable Federal, State, County and Municipal regulations.
- All signs which are removed during construction shall be reset either temporarily or permanently prior to the end of each day. (There will be no specific payment for this item, cost to be included in the price of various items in the Proposal.)
- Temporary line striping shall be provided in order to maintain traffic flow, safety and convenient passage of traffic through project. A minimum of a 10' wide lane in each direction shall be provided during construction (NO SPECIFIC PAYMENT) DETOURING OF TRAFFIC AND/OR ROAD CLOSURES SHALL NOT BE PERMITTED UNLESS APPROVED BY THE CHIEF OF POLICE. Should Police Traffic Directors be required, their services shall be paid for by the Municipality at no cost to the Contractor.
- The Contractor shall not store any materials or equipment along the street or which interferes with the daily activities of the residents. In addition, the Contractor shall not be permitted, at any time, to stockpile any materials or park any equipment within the municipal right-of-way after hours. The Contractor shall provide a location for staging areas and equipment storage outside of the right-of-way without creating a hazardous condition, at his expense.

- The Contractor shall schedule the roadway reconstruction and concrete curb trenches so that they are backfilled with dense graded aggregate with ramping at the end of each day so as to maintain vehicular and pedestrian access. The Contractor shall also install the necessary steel plates over roadway trenches, roadway repairs and concrete rocker gutters at the end of each day so as to maintain vehicular and pedestrian access. (NO SPECIFIC PAYMENT) NO OVERNIGHT CLOSURES WILL BE PERMITTED UNLESS APPROVED BY THE CHIEF OF POLICE.
- Pavement trenches shall be filled with temporary pavement, 2" thick to provide a smooth surface. The temporary trench pavement shall be maintained by the Contractor on an as needed basis and as directed by the Engineers. (There will be no specific payment for this item, cost to be included in the price for the various items in the Proposal.)
- The Contractor must utilize a trench box where necessary, in accordance with the U.S. Department of Labor, Occupational Safety and Health Administration, 1980, revised (29CFR Part 1926).
- All concrete curb and sidewalk designated for removal, shall be taken from the nearest joint, as necessary, to install proposed improvements.
- Where no joints exist on concrete drives or sidewalk, the edge shall be sawcut along straight lines before excavation or paving.
- Paving shall be sawcut, vertically, along straight lines before excavating. Where new pavement meets existing pavement the joint shall be sealed with an approved joint sealer. (There will be no specific payment for this item, cost to be included in the price for the various items in the Proposal.)
- The Contractor must request grade stakes at least ten (10) days prior to the start of construction. Failure to provide proper notice may result in construction delays, with no compensation for construction delays.
- The Contractor shall not be permitted to work on Saturdays, Sundays or holidays. Should the Contractor obtain permission from the Municipality to do so, he shall be required to pay the Engineer for the Inspector's overtime. The hours of operation shall be from 7:00 a.m. to 4:00 p.m.
- Inspections or failures to inspect any materials or workmanship by Municipal or County Officials shall in no way relieve the Contractor of his responsibilities to perform the work in accordance with applicable plans, specifications and laws.
- All concrete sidewalks, curb ramps, driveway apron/sidewalk shall be N.J.D.O.T. Class 'B', 28 day compressive strength. All concrete roadway shall be 8" thick, Class 'V'. Where the existing concrete roadway is to remain in the area of the proposed concrete curbing, the proposed curb shall be face formed. All proposed concrete roadway area shall be plotted at the end of each day so the road is accessible.
- The General Contractor is Designated as the "Responsible Person in Charge of Construction" and the site supervisor responsible for construction site safety during the course of site improvements pursuant to N.J.A.C. 5: 23-2.21 (c) and (d) of the N.J. Uniform Construction Code.
- The Contractor and all subcontractors shall comply with the Public Works Contractor Registration Act (P.L. 1999, c. 239 N.J.S.A. 34:11 - 56.48 etseq.) & New Jersey Business Registration Requirements of Public Contractors (N.J.S.A. 40A:11-23.2). (There will be no specific payment for this item, cost to be included in the price of the various items in the Proposal.)
- The Contractor shall email submittals two (2) weeks prior to the commencement of construction for all items for review by the Engineer. (There will be no specific payment for this item, cost to be included in the price of the various items in the Proposal.)
- The Contractor shall video record, with audio description, the entire project limits to document the site conditions and provide a CD or DVD copy to the Engineer. (There will be no specific payment for this item, cost to be included in the price of the various items in the Proposal.)
- The Contractor shall not be permitted to deny access to or enter onto any residential or commercial property without the written permission of the property owner. The contractor shall take all measures to perform the construction to maintain access to the properties and to cause minimal inconvenience.
- The Contractor shall not enter onto any properties without the Engineer having secured a Consent to Enter from the property owner.
- Failure of the Contractor to follow the directions of the Engineer and/or his representatives may result in a "STOP WORK" order. Should a "STOP WORK" order be issued, the Contractor shall incur all expenses to secure the job site and remediation costs when authorized by the Engineer to recommence.
- Crushed or recycled concrete or crushed or recycled asphalt will not be acceptable as a substitute to dense graded aggregate for this job.
- All disturbed lawn areas shall be excavated and receive Topsoil, 5" and Sodding, in the locations and to the limits as shown on the construction plans. The restoration shall commence within seven days of the completion of the improvements. Any area disturbed outside the limits shall be restored by the Contractor, at his expense. The sod shall be watered and maintained by the Contractor. If the sod dies within one (1) month of installation, the Contractor must remove sodding and install additional topsoil and sodding, and all costs shall be at the Contractor's expense.
- Standard Construction Details shall conform to the latest requirements of the New Jersey Department of Transportation.

Soil Erosion and Sediment Control Notes

(NO SPECIFIC PAYMENT WILL BE MADE FOR SOIL EROSION CONTROL, THE PRICE FOR ALL SOIL EROSION CONTROL SHALL BE INCLUDED IN THE PRICE OF VARIOUS ITEMS IN THE PROPOSAL.)

- All applicable erosion and sediment control practices shall be in place prior to any grading operation and/or installation of proposed structures or utilities.
- Soil erosion and sediment control practices on this plan shall be constructed in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey.
- All applicable erosion and sediment control practices shall be left in place until construction is completed and/or the area is stabilized.
- The Contractor shall perform all work, furnish all materials and install all measures required to reasonably control soil erosion resulting from construction operations and prevent excessive flow of sediment from the construction site.
- Any disturbed area that will be left exposed for more than sixty (60) days and not subject to construction traffic shall immediately receive a temporary seeding and fertilization in accordance with the New Jersey Standards as follows:
If the season prohibits temporary seeding, the disturbed areas will be mulched with salt hay or equivalent and anchored in accordance with the New Jersey Standards (i.e. peg and twine, mulch netting or liquid mulch binder).
- It shall be the responsibility of the Contractor to provide confirmation of lime, fertilizer and seed application and rates of application at the request of the Camden County Soil Conservation District.
- All critical areas subject to erosion will receive a temporary seeding in combination with straw mulch at a rate of 2 tons per acre, according to the New Jersey Standards immediately following rough grading.
- The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
- All sedimentation structures will be inspected and maintained on a regular basis and after every storm event.
- The Contractor shall utilize the existing roadway as a construction entrance. The roadway shall be cleaned as needed or as directed by the Camden County Soil Conservation District and the Borough Engineer, to eliminate traffic hazards, dust, etc.
- All driveways must be stabilized with 2 1/2" crushed stone or subbase.
- Roadways must be kept clean at all times.
- All catch basin inlets will be protected with crushed stone, haybales or filter fabric (filter details appear on plan).
- All storm drainage outlets will be stabilized, as required, before the discharge points become operational.
- All dewatering operations must discharge directly into a sediment filter area. The sediment filter should be composed of a suitable sediment filter fabric. (see detail) The basin must be dewatered to normal pool within 10 days of the design storm.
- Final payment shall not be made before all provisions of the certified soil erosion and sediment control plan have been complied with for permanent measures. All site work for the project must be completed prior to the district issuing a report of compliance as a prerequisite to the issuance of a final payment.
- Mulching is required on all seeded areas to insure against erosion before grass is established to promote earlier vegetation cover.
- Offsite sediment disturbance may require additional control measures to be determined by the erosion control inspector or Engineer.
- A copy of the certified soil erosion and sediment control plan must be maintained on the project site during construction.
- The Camden County Soil Conservation District shall be notified 48 hours prior to any land disturbance.
- Immediately after the completion of stripping and stockpiling of topsoil, seed the stockpile with annual rye grass. Stabilize topsoil pile with straw mulch for protection if the season does not permit the application and establishment of temporary seeding. All soil stockpiles are not to be located within fifty (50) feet of a flood plain, slope, roadway or drainage facility and the base must be protected with a sediment barrier.
- Any changes to the construction plan will require the submission of a revised soil erosion and sediment control plan to the Camden County Soil Conservation District. The revised plan must be in accordance with the current New Jersey Standards for Soil Erosion and Sediment Control.
- Soil having a pH of 4.0 or less or containing iron sulfide must be covered with a minimum of 12 inches of soil having a pH of 5.0 or more before seeded preparation.
- Temporary seeding and mulch should be applied according to the New Jersey Standards. Mulch shall be secured by the approved methods.
- Maximum side slopes of all exposed surfaces shall not be constructed steeper than 3:1 unless otherwise approved by the district.
- Dust shall be controlled by watering with a solution of calcium chloride and water.
- Adjoining properties shall be protected from excavation and filling operations on the proposed project.
- Use staged construction methods to minimize exposed surfaces, where applicable.
- All vegetative material shall be selected in accordance with American Standards for Nursery Stock of the American Association of the Nurserymen and in accordance with the New Jersey Department of Transportation Standard Specifications.

Utility Companies:

- Electric-** P.S.E.C. Services Corporation
Construction Inquiry Center
410 Route 130 South
Bordenlown NJ 08505
PH: 856-332-0076
- Telephone-** Verizon
10 Tansboro Road
Berlin, NJ 08009-1907
ATTN: Mr. Michael Leone (856) 306-8611
Mr. Ryan Loehnie (609) 204-2129
- Gas-** P.S.E.C. Services Corporation
Gas Distribution Department
535 Nicholson Road
Audubon, NJ 08106
ATTN: Ryan Morze
PH: (856)-573-2018
- Water-** New Jersey American Water
204 Carriage Lane
Delran, NJ 08075
ATTN: Mr. John Graham, Jr.
PH: 856-764-6920
- Sewer-** Oaklyn Borough Public Works Department
300 White Horse Pike - Mailing Address
350 W Cedar Avenue - Physical Address
Oaklyn, NJ 08107
ATTN: Mr. Rick Howco, C.P.W.M
PH: (856)-854-0636
- Cable TV-** Comcast Cable Communications, Inc.
1250 Haddonfield-Berlin Road
Post Office Box 5029
Cherry Hill NJ 08034
ATTN: Mr. Wyatt Parrish
(484) 368-4391
- Public Works-** Oaklyn Borough Public Works Department
300 White Horse Pike - Mailing Address
350 W Cedar Avenue - Physical Address
Oaklyn, NJ 08107
ATTN: Mr. Rick Howco, C.P.W.M
PH: 856-854-0636

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REV.	DATE	DESCRIPTION	DRWN.	CHKD.			
Cover Sheet							
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End)							
Borough of Oaklyn Camden County, New Jersey							
DATE:	5/9/23	DRAWN BY:	S.H.	CHKD. BY:		SCALE:	AS NOTED
PROJECT No.	25-263OK0522	FIELD BOOK/PAGE:		SHEET No.	1	OF	16
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER							
NJPE No. 32853				PA.PE No. 036608-E			
NJ PROFESSIONAL PLANNER No. 4076							
80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 www.keyengineers.com							
phone: (609) 262-9111 fax: (609) 723-1091							
CERTIFICATE OF AUTHORIZATION #E4GA28041300							
DATE 11/9/23							



Know what's below
Call before you dig.

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

List of Quantities: Base Bid:

Improvements to Goff Avenue from Kendall Boulevard (CR 650) to Eden Avenue

(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	SHEET 3	SHEET 4	SHEET 5	TOTALS
1	SAWCUT BITUMINOUS PAVEMENT	L.F.	44	43	40	127
2	SAWCUT CONCRETE PAVEMENT	L.F.	22	150	175	347
3	REMOVE CONCRETE ROADWAY	S.Y.	150	30	40	220
4	MILL PAVEMENT, 2" THICK	S.Y.	6	208	520	734
5	6"x8"x18" CONCRETE CURB, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	210	680	450	1,340
6	MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	315	50	0	365
7	CONCRETE SIDEWALK AND CURB RAMP, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	35	102	90	227
8	CONCRETE DRIVEWAY APRON/ SIDEWALK, 6" THICK, CLASS 'B', WITH DENSE AGGREGATE SUBBASE, 4" THICK	S.Y.	180	130	100	410
9	CONCRETE ROADWAY, 8" THICK, CLASS 'V'	S.Y.	185	110	85	380
10	CONCRETE ROCKER GUTTER, 8" THICK, CLASS 'V' W/ WELDED WIRE MESH 6"x6"x1/4" X 1/4" 4, DENSE GRADED AGGREGATE SUBBASE, 6" THICK AND SOIL STABILIZATION FABRIC	S.Y.	0	0	23	23
11	HOT MIX ASPHALT, 9.5M64 LEVELING COURSE	TONS	30	30	15	75
12	HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK	S.Y.	530	900	575	2,005
13	CLEAN AND SEAL JOINTS	L.F.	750	1,400	850	3,000
14	DETECTABLE WARNING SURFACE	S.F.	0	64	64	128
15	SIGN	S.F.	7.75	14.0	14.0	35.75
16	No. 57 GREY DRIVEWAY STONE, 4" THICK	S.Y.	0	5	0	5
17	TOPSOIL, 5" THICK AND SODDING	S.Y.	380	455	300	1,135
18	TRAFFIC STRIPES, 6" WIDE	L.F.	0	182	180	362
19	TRAFFIC STRIPES, 12" WIDE	L.F.	18	20	20	58
20	TRAFFIC STRIPES, 24" WIDE	L.F.	0	156	156	312
21	PAINT CURB, YELLOW	L.F.	60	280	245	585
22	BREAKAWAY BARRICADE	UNIT	8	0	0	8
23	DRUM	UNIT	14	0	0	14
24	TRAFFIC CONE	UNIT	10	0	0	10
25	CONSTRUCTION SIGN	S.F.	231.5	0	0	231.5
26	ASPHALT PRICE ADJUSTMENT	L.S.	L.S.	L.S.	L.S.	L.S.
27	FUEL PRICE ADJUSTMENT	L.S.	L.S.	L.S.	L.S.	L.S.

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	SHEET 3	SHEET 4	SHEET 5	TOTALS
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
B	SUBSURFACE STRUCTURE EXCAVATION	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
C	RECONSTRUCT ROOF DRAIN/ SUMP PUMP	UNIT	5	4	7	16
D	REMOVE ROLLED CONCRETE CURB	L.F.	515	602	355	1,472
E	REMOVE CONCRETE CURB	L.F.	10	100	95	205
F	REMOVE CONCRETE SIDEWALK/ CURB RAMP/ CONCRETE AREA	S.Y.	35	102	82	219
G	REMOVE CONCRETE DRIVEWAY APRON/ SIDEWALK	S.Y.	162	122	66	350
H	REMOVE SIGN	UNIT	2	3	3	8
I	REPLACE MANHOLE CASTING	UNIT	0	1	1	2
J	RESET BRICK PAVERS	S.F.	0	175	0	175
K	RESET LANDSCAPING	S.F.	0	58	0	58
L	RESET SIGN	UNIT	0	1	1	2
M	RESET WATER VALVE BOX	UNIT	0	1	2	3
N	RESET WATER METER BOX	UNIT	0	0	2	2
O	RESET GAS VALVE BOX	UNIT	0	0	0	0
P	TRIM TREE	UNIT	0	0	1	1
Q	CLEANING AND SWEEPING	S.Y.	530	900	575	2,005
R	TACK COAT, GRADE RS-1	GAL.	53	90	58	201
S	JOINT SEALER	L.F.	22	40	40	102
T	DEWATERING	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
U	CONCRETE SEALING	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
V	WATERING	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
W	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
X	NEW JERSEY DEPARTMENT OF TRANSPORTATION CIVIL RIGHTS SIGN	UNIT	1	0	0	1

List of Quantities: Alternate No. 1:

Improvements to Goff Avenue from Eden Avenue to Peters Creek (Dead End)

(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
1	SAWCUT BITUMINOUS PAVEMENT	L.F.	35
2	SAWCUT CONCRETE PAVEMENT	L.F.	35
3	REMOVE CONCRETE ROADWAY	S.Y.	10
4	MILL PAVEMENT, 2" THICK	S.Y.	435
5	6"x8"x18" CONCRETE CURB, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	360
6	CONCRETE SIDEWALK AND CURB RAMP, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	85
7	CONCRETE DRIVEWAY APRON/ SIDEWALK, 6" THICK, CLASS 'B', WITH DENSE AGGREGATE SUBBASE, 4" THICK	S.Y.	30
8	CONCRETE ROADWAY, 8" THICK, CLASS 'V'	S.Y.	70
9	HOT MIX ASPHALT, 9.5M64 LEVELING COURSE	TONS	15
10	HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK	S.Y.	435
11	CLEAN AND SEAL JOINTS	L.F.	550
12	DETECTABLE WARNING SURFACE	S.F.	32
13	SIGN	S.F.	17
14	TOPSOIL, 5" THICK AND SODDING	S.Y.	255
15	TRAFFIC STRIPES, 6" WIDE	L.F.	90
16	TRAFFIC STRIPES, 12" WIDE	L.F.	10
17	TRAFFIC STRIPES, 24" WIDE	L.F.	65
18	PAINT CURB, YELLOW	L.F.	100
19	ASPHALT PRICE ADJUSTMENT	L.S.	L.S.
20	FUEL PRICE ADJUSTMENT	L.S.	L.S.

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	SUBSURFACE STRUCTURE EXCAVATION	N.S.P.	N.S.P.
C	RECONSTRUCT ROOF DRAIN/ SUMP PUMP	EACH	1
D	REMOVE ROLLED CONCRETE CURB	L.F.	295
E	REMOVE CONCRETE CURB	L.F.	50
F	REMOVE CONCRETE SIDEWALK/ CURB RAMP/ CONCRETE AREA	S.Y.	73
G	REMOVE CONCRETE DRIVEWAY APRON/ SIDEWALK	S.Y.	27
H	REMOVE SIGN	UNIT	4
I	REPLACE MANHOLE CASTING	UNIT	1
J	RESET SIGN	UNIT	1
K	RESET WATER VALVE BOX	UNIT	1
L	RESET WATER METER BOX	UNIT	1
M	TRIM TREE	UNIT	1
N	CLEANING AND SWEEPING	S.Y.	435
O	TACK COAT, GRADE RS-1	GAL.	44
P	JOINT SEALER	L.F.	35
Q	DEWATERING	N.S.P.	N.S.P.
R	CONCRETE SEALING	N.S.P.	N.S.P.
S	WATERING	N.S.P.	N.S.P.
T	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.

List of Quantities: Alternate No. 2:

Sump Pump/ Roof Drain Collection System Along Goff Avenue

from Kendall Boulevard (CR 650) to Peters Creek (Dead End)

(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	SHEET 10	SHEET 11	SHEET 12	TOTALS
1	SAWCUT CONCRETE ROADWAY	L.F.	240	85	380	715
2	REMOVE CONCRETE ROADWAY	S.Y.	12	20	51	83
3	8" DIA. P.V.C. SCH. 40 SUMP PUMP/ROOF DRAIN PIPE WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	L.F.	260	240	400	900
4	SUMP PUMP/ROOF DRAIN LATERAL & CLEANOUT, COMPLETE, WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	UNIT	5	6	6	17
5	STORM SEWER CLEANOUT, COMPLETE, WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	UNIT	0	2	2	4
6	SUMP LATERAL MARKER	UNIT	5	8	8	21
7	MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	0	0	12	12
8	CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	17	10	10	37
9	CONCRETE DRIVEWAY, 6" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	0	0	22	22
10	CONCRETE ROADWAY, 8" THICK, CLASS 'V'	S.Y.	12	20	51	83
11	TOPSOIL, 5" THICK AND SODDING	S.Y.	12	12	27	51
12	FUEL PRICE ADJUSTMENT	L.S.	L.S.	L.S.	L.S.	L.S.

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	SHEET 10	SHEET 11	SHEET 12	TOTALS
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
B	SUBSURFACE STRUCTURE EXCAVATION	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
C	CLEANOUT PROTECTION BOX	UNIT	2	0	1	3
D	TEMPORARY TRENCH PAVEMENT, 2" THICK	S.Y.	80	58	115	253
E	REMOVE CONCRETE SIDEWALK	S.Y.	12	10	10	32
F	REMOVE ROLLED CONCRETE CURB	S.Y.	0	0	12	12
G	CONNECT PIPE TO INLET	UNIT	1	0	0	1
H	DEWATERING	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
I	CONCRETE SEALING	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
J	WATERING	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
K	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.

List of Quantities: Alternate No. 3:

Remaining Concrete Sidewalk Replacement Along Goff Avenue

from Kendall Boulevard (CR 650) to Peters Creek (Dead End)

(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	SHEET 10	SHEET 11	SHEET 12	TOTALS
1	CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	152	189	97	438
2	TOPSOIL, 5" THICK AND SODDING	S.Y.	97	84	72	253
3	FUEL PRICE ADJUSTMENT	L.S.	L.S.	L.S.	L.S.	L.S.

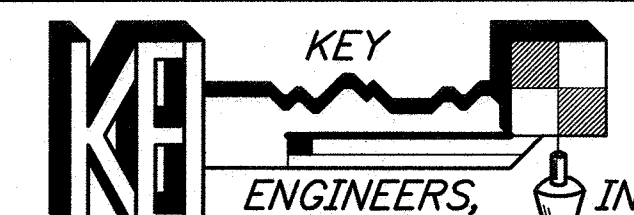
No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	SHEET 10	SHEET 11	SHEET 12	TOTALS
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
B	REMOVE CONCRETE SIDEWALK	S.Y.	152	189	97	438
C	RESET LANDSCAPING	S.F.	0	62	0	62
D	DEWATERING	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
E	CONCRETE SEALING	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
F	WATERING	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.
G	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.	N.S.P.	N.S.P.	N.S.P.

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Estimate and Distribution of Quantities				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End)				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23	DRAWN BY: S.H.	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 25-2630K0522	FIELD BOOK/PAGE:	SHEET No. 2 OF 16		
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853		PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076		



80 S. WHITE HORSE PIKE
BERLIN, NEW JERSEY 08009-2399
PHONE: (609) 767-0111
FAX: (609) 763-1001
WWW.KEYENGINEERS.COM

[Signature]
DATE: 11/2/23

List of Quantities: Improvements to Goff Avenue from Kendall Boulevard (CR 650) to Edin Avenue (PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023) Payment Items:

Table with 4 columns: ITEM NUMBER, DESCRIPTION, UNIT, QUANTITY. Lists items like SAWCUT BITUMINOUS PAVEMENT, SAWCUT CONCRETE PAVEMENT, etc.

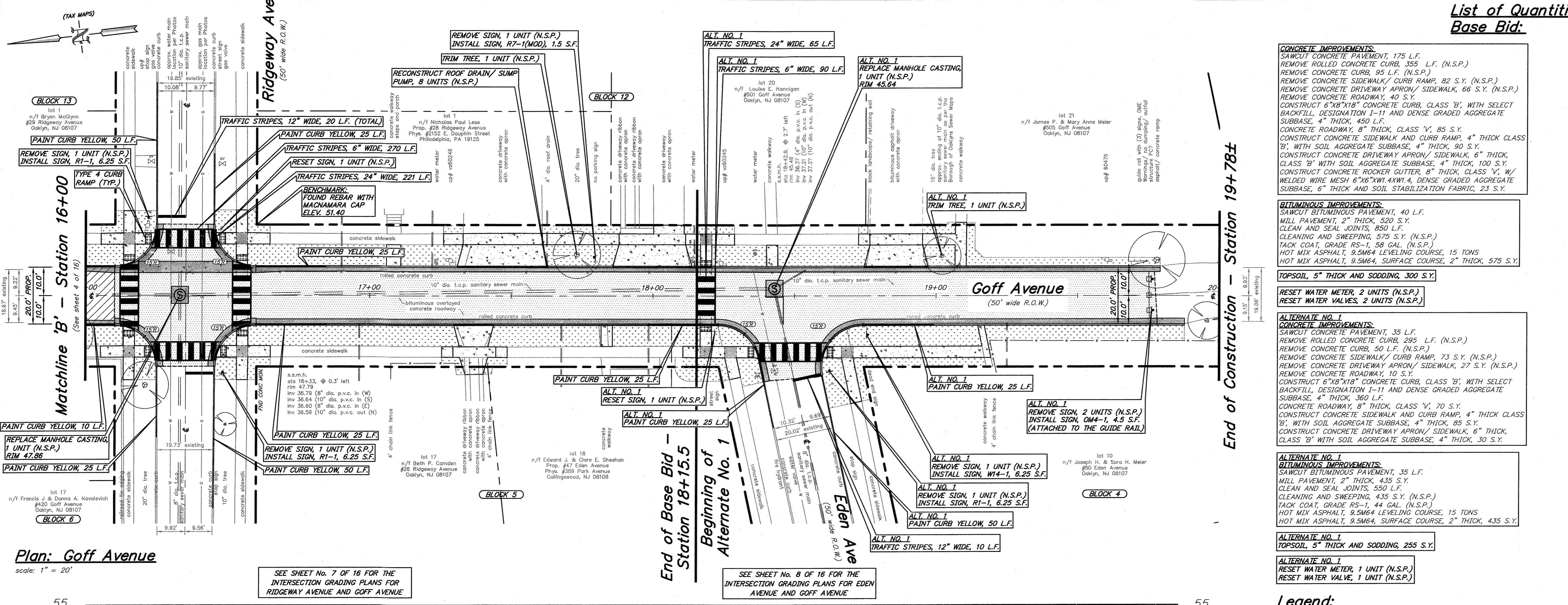
Table with 4 columns: ITEM NUMBER, DESCRIPTION, UNIT, QUANTITY. Lists items like SOIL EROSION AND SEDIMENT CONTROL, SUBSURFACE STRUCTURE EXCAVATION, etc.

Alternate No. 1: Improvements to Goff Avenue from Edin Avenue to Peters Creek (Dead End) (PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023) Payment Items:

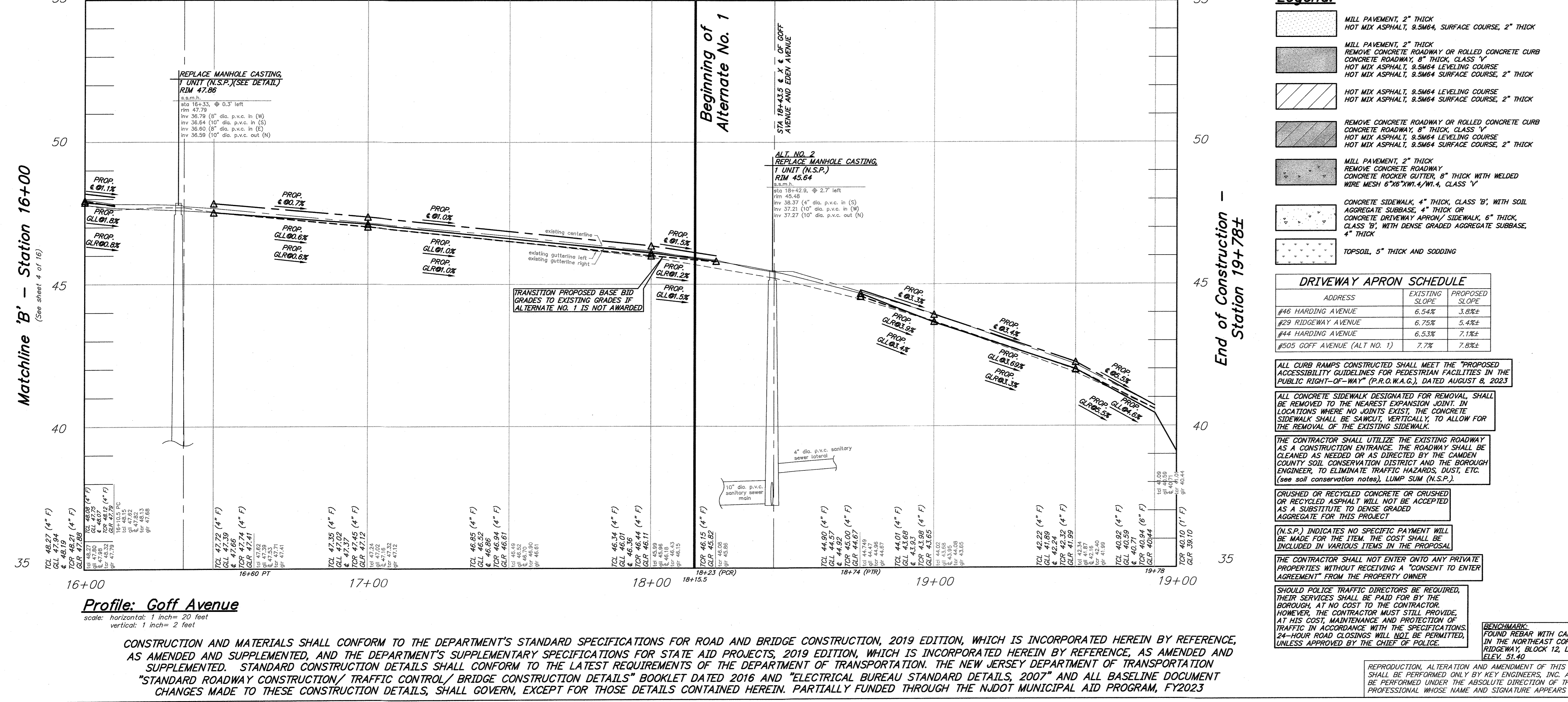
Table with 4 columns: ITEM NUMBER, DESCRIPTION, UNIT, QUANTITY. Lists items like SAWCUT BITUMINOUS PAVEMENT, SAWCUT CONCRETE PAVEMENT, etc.

Table with 4 columns: REV., DATE, DESCRIPTION, DRWN., CHKD. Includes a revision table and a signature block for Gregory Blase Fusco.

Construction Plan: Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End) Station 16+00 to the Sta 19+78± (Dead end). Includes project info, date, and signature.



Plan: Goff Avenue scale: 1" = 20' SEE SHEET No. 7 OF 16 FOR THE INTERSECTION GRADING PLANS FOR RIDGEWAY AVENUE AND GOFF AVENUE

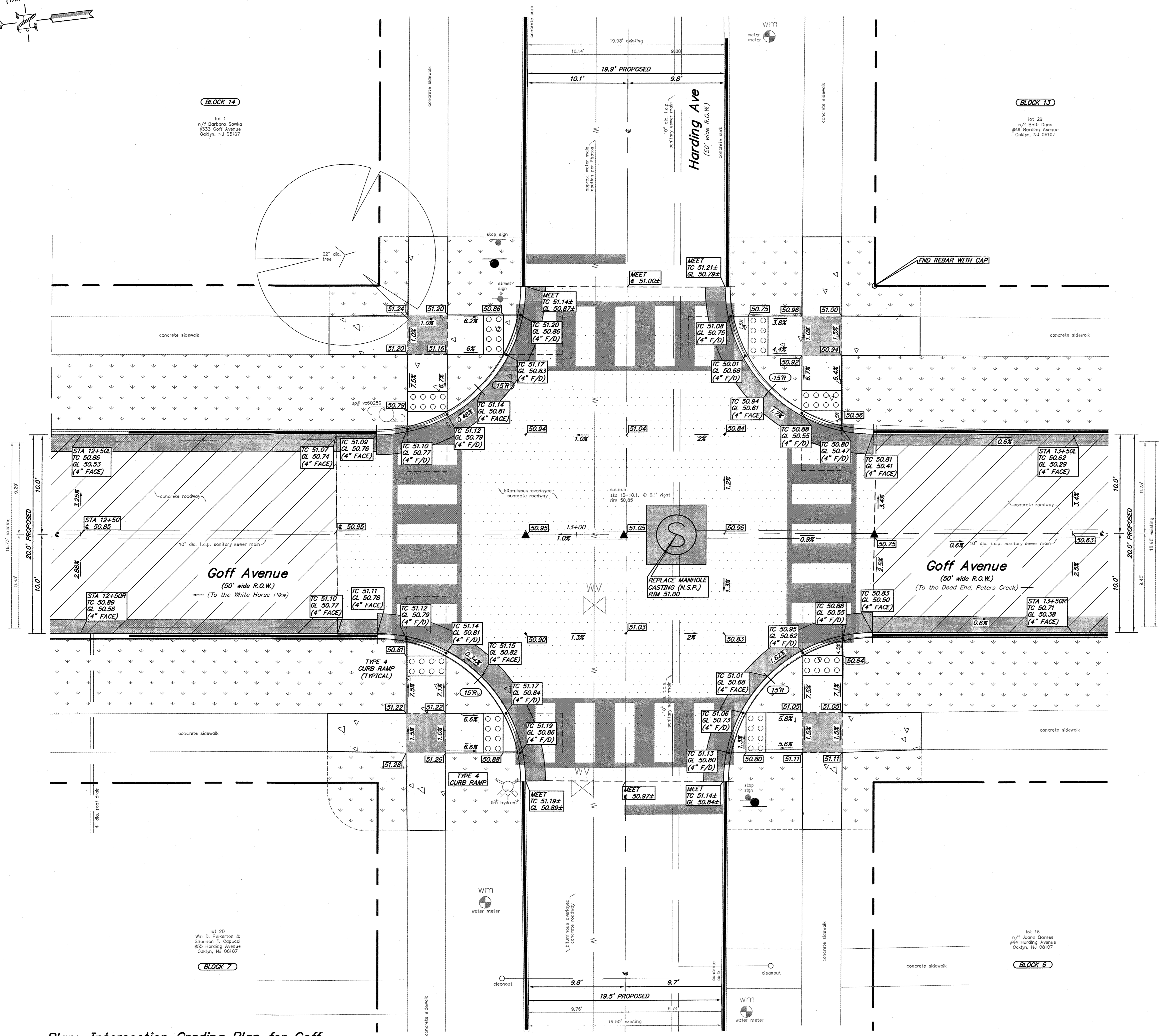
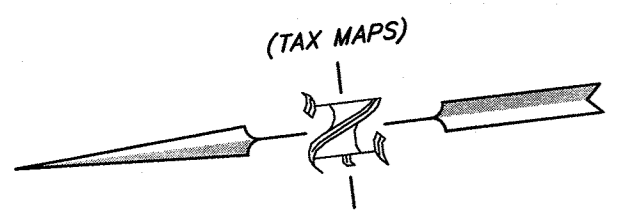


Profile: Goff Avenue scale: horizontal: 1 inch = 20 feet vertical: 1 inch = 2 feet CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED.

Legend: Lists materials like MILL PAVEMENT, HOT MIX ASPHALT, CONCRETE DRIVEWAY APRON, etc. Includes DRIVEWAY APRON SCHEDULE table and various notes regarding construction standards and traffic control.

Notes and specifications regarding construction standards, traffic control, and material requirements. Includes a note about the contractor's responsibility for traffic control and a note about the use of recycled materials.

KEY: Includes a north arrow and a key for the construction plan. Includes contact information for Gregory Blase Fusco and a signature.



Legend:

- MILL PAVEMENT, 2" THICK
HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK
- MILL PAVEMENT, 2" THICK
REMOVE CONCRETE ROADWAY
CONCRETE ROADWAY, 8" THICK, CLASS 'Y'
HOT MIX ASPHALT, 9.5M64 LEVELING COURSE
HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK
- HOT MIX ASPHALT, 9.5M64 LEVELING COURSE
HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK
- REMOVE CONCRETE ROADWAY OR ROLLED CONCRETE CURB
CONCRETE ROADWAY, 8" THICK, CLASS 'Y'
HOT MIX ASPHALT, 9.5M64 LEVELING COURSE
HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK
- REMOVE CONCRETE ROADWAY
MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION,
CLASS 'B', WITH SELECT BACKFILL DESIGNATION I-11 AND
DENSE GRADED AGGREGATE SUBBASE, 4" THICK
- CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL
AGGREGATE SUBBASE, 4" THICK OR
CONCRETE SIDEWALK, 6" THICK, CLASS 'B',
WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK
- TOPSOIL, 5" THICK AND SODDING

ALL CURB RAMPS CONSTRUCTED SHALL MEET THE "PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY" (P.R.O.W.A.G.), DATED AUGUST 8, 2023

ALL CONCRETE SIDEWALK DESIGNATED FOR REMOVAL SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT. IN LOCATIONS WHERE NO JOINTS EXIST, THE CONCRETE SIDEWALK SHALL BE SAWCUT, VERTICALLY, TO ALLOW FOR THE REMOVAL OF THE EXISTING SIDEWALK.

THE CONTRACTOR SHALL UTILIZE THE EXISTING ROADWAY AS A CONSTRUCTION ENTRANCE. THE ROADWAY SHALL BE CLEANED AS NEEDED OR AS DIRECTED BY THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT AND THE BOROUGH ENGINEER, TO ELIMINATE TRAFFIC HAZARDS, DUST, ETC. (see soil conservation notes), LUMP SUM (N.S.P.).

CRUSHED OR RECYCLED CONCRETE OR CRUSHED OR RECYCLED ASPHALT WILL NOT BE ACCEPTED AS A SUBSTITUTE TO DENSE GRADED AGGREGATE FOR THIS PROJECT.

(N.S.P.) INDICATES NO SPECIFIC PAYMENT WILL BE MADE FOR THE ITEM. THE COST SHALL BE INCLUDED IN VARIOUS ITEMS IN THE PROPOSAL.

THE CONTRACTOR SHALL NOT ENTER ONTO ANY PRIVATE PROPERTIES WITHOUT RECEIVING A "CONSENT TO ENTER AGREEMENT" FROM THE PROPERTY OWNER.

SHOULD POLICE TRAFFIC DIRECTORS BE REQUIRED, THEIR SERVICES SHALL BE PAID FOR BY THE BOROUGH, AT NO COST TO THE CONTRACTOR. HOWEVER, THE CONTRACTOR MUST STILL PROVIDE AT HIS COST, MAINTENANCE AND PROTECTION OF TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS. 24-HOUR ROAD CLOSINGS WILL NOT BE PERMITTED, UNLESS APPROVED BY THE CHIEF OF POLICE.

Plan: Intersection Grading Plan for Goff Avenue and Harding Avenue

scale: 1" = 5'
CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

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REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Intersection Grading Plan – Base Bid				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End) Intersection of Goff Avenue and Harding Avenue				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23		DRAWN BY: S.H.		SCALE: AS NOTED
PROJECT No. 25-2630K0322		FIELD BOOK/PAGE:		SHEET No. 8 OF 16

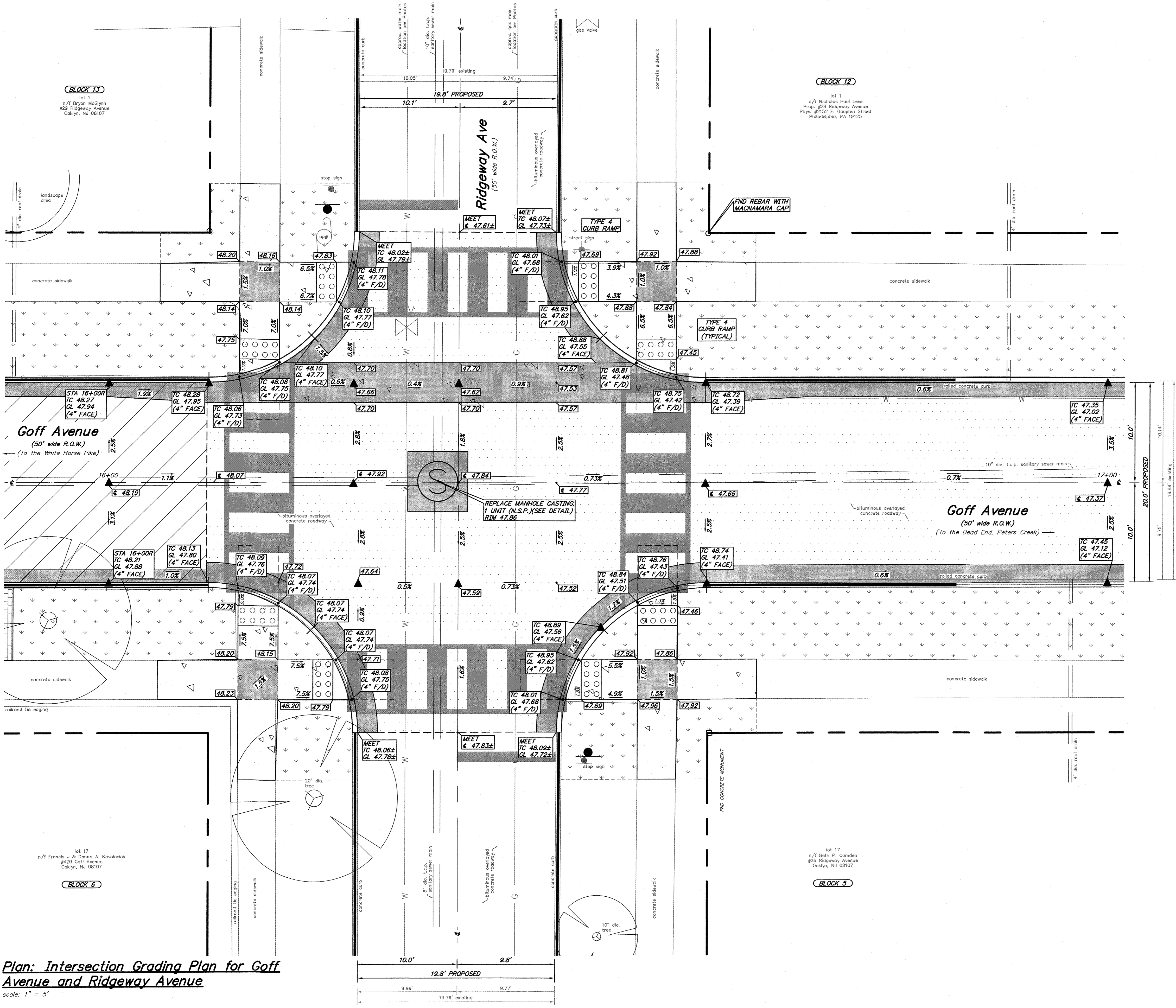
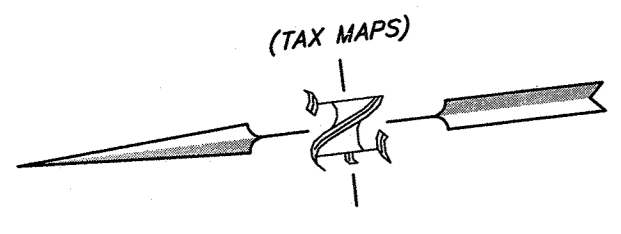
GREGORY BLASE FUSCO
PROFESSIONAL ENGINEER

NJPE No. 32853 P.A.P.E. No. 036608-E
NJ PROFESSIONAL PLANNER No. 4076

KEY ENGINEERS, INC.

80 S. WHITE HORSE PIKE
BERLIN, NEW JERSEY 08009-2399
CERTIFICATE OF AUTHORIZATION #24GA28041300

DATE: 11/2/23



- Legend:**
- MILL PAVEMENT, 2" THICK
 - HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK
 - MILL PAVEMENT, 2" THICK
 - REMOVE CONCRETE ROADWAY
CONCRETE ROADWAY, 8" THICK, CLASS "Y"
 - HOT MIX ASPHALT, 9.5M64 LEVELING COURSE
 - HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK
 - HOT MIX ASPHALT, 9.5M64 LEVELING COURSE
 - HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK
 - REMOVE CONCRETE ROADWAY OR ROLLED CONCRETE CURB
 - CONCRETE ROADWAY, 8" THICK, CLASS "Y"
 - HOT MIX ASPHALT, 9.5M64 LEVELING COURSE
 - HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK
 - REMOVE CONCRETE ROADWAY
 - MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS "B", WITH SELECT BACKFILL DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK
 - CONCRETE SIDEWALK, 4" THICK, CLASS "B", WITH SOIL AGGREGATE SUBBASE, 4" THICK OR
 - CONCRETE DRIVEWAY APRON/ SIDEWALK, 6" THICK, CLASS "B", WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK
 - TOPSOIL, 5" THICK AND SODDING

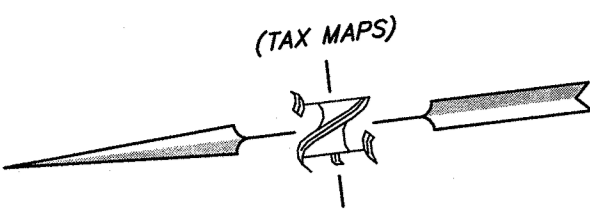
- ALL CURB RAMPS CONSTRUCTED SHALL MEET THE "PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY" (P.R.O.W.A.G.), DATED AUGUST 8, 2023
- ALL CONCRETE SIDEWALK DESIGNATED FOR REMOVAL, SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT. IN LOCATIONS WHERE NO JOINTS EXIST, THE CONCRETE SIDEWALK SHALL BE SAWCUT, VERTICALLY, TO ALLOW FOR THE REMOVAL OF THE EXISTING SIDEWALK.
- THE CONTRACTOR SHALL UTILIZE THE EXISTING ROADWAY AS A CONSTRUCTION ENTRANCE. THE ROADWAY SHALL BE CLEANED AS NEEDED OR AS DIRECTED BY THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT AND THE BOROUGH ENGINEER, TO ELIMINATE TRAFFIC HAZARDS, DUST, ETC. (SEE SOIL CONSERVATION NOTES), LUMP SUM (N.S.P.).
- CRUSHED OR RECYCLED CONCRETE OR CRUSHED OR RECYCLED ASPHALT WILL NOT BE ACCEPTED AS A SUBSTITUTE TO DENSE GRADED AGGREGATE FOR THIS PROJECT.
- (N.S.P.) INDICATES NO SPECIFIC PAYMENT WILL BE MADE FOR THE ITEM. THE COST SHALL BE INCLUDED IN VARIOUS ITEMS IN THE PROPOSAL.
- THE CONTRACTOR SHALL NOT ENTER ONTO ANY PRIVATE PROPERTIES WITHOUT RECEIVING A "CONSENT TO ENTER AGREEMENT" FROM THE PROPERTY OWNER.
- SHOULD POLICE TRAFFIC DIRECTORS BE REQUIRED, THEIR SERVICES SHALL BE PAID FOR BY THE BOROUGH, AT NO COST TO THE CONTRACTOR. HOWEVER, THE CONTRACTOR MUST STILL PROVIDE, AT HIS COST, MAINTENANCE AND PROTECTION OF TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS. 24-HOUR ROAD CLOSINGS WILL NOT BE PERMITTED, UNLESS APPROVED BY THE CHIEF OF POLICE.

Plan: Intersection Grading Plan for Goff Avenue and Ridgeway Avenue
scale: 1" = 5'

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Intersection Grading Plan – Base Bid				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End) Intersection of Goff Avenue and Ridgeway Avenue				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23	DRAWN BY: S.H.	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 25-2630K0522	FIELD BOOK/PAGE:	SHEET No. 7 OF 16		
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853		PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076		
80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 CERTIFICATE OF AUTHORIZATION #24GA28041300		DATE: 11/9/23		



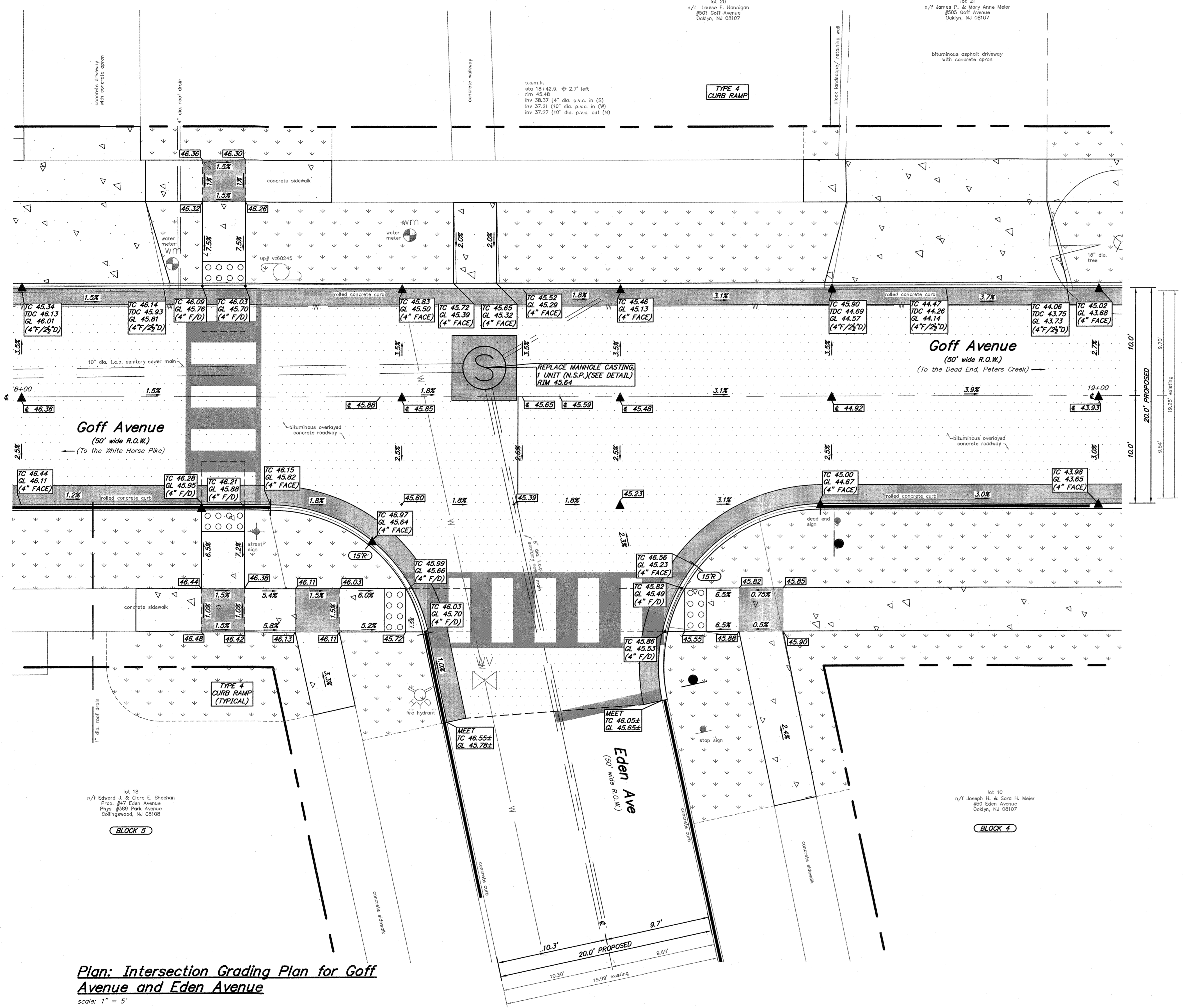
BLOCK 12

lot 20
n/f Louise E. Hannigan
8301 Goff Avenue
Oaklyn, NJ 08107

lot 21
n/f James P. & Mary Anne Meier
8305 Goff Avenue
Oaklyn, NJ 08107

lot 18
n/f Edward J. & Claire E. Sheehan
Prop. #47 Eden Avenue
Phys. #389 Fort Avenue
Collingswood, NJ 08108

lot 19
n/f Joseph H. & Sara H. Meier
#50 Eden Avenue
Oaklyn, NJ 08107



Legend:

- MILL PAVEMENT, 2" THICK
HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK
- MILL PAVEMENT, 2" THICK
REMOVE CONCRETE ROADWAY
CONCRETE ROADWAY, 8" THICK, CLASS 'Y'
HOT MIX ASPHALT, 9.5M64 LEVELING COURSE
HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK
- HOT MIX ASPHALT, 9.5M64 LEVELING COURSE
HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK
- REMOVE CONCRETE ROADWAY OR ROLLED CONCRETE CURB
CONCRETE ROADWAY, 8" THICK, CLASS 'Y'
HOT MIX ASPHALT, 9.5M64 LEVELING COURSE
HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK
- REMOVE CONCRETE ROADWAY
MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION,
CLASS 'B', WITH SELECT BACKFILL DESIGNATION 1-11 AND
DENSE GRADED AGGREGATE SUBBASE, 4" THICK
CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL
AGGREGATE SUBBASE, 4" THICK OR
CONCRETE DRIVEWAY APRON/SIDEWALK, 6" THICK, CLASS 'B',
WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK
- TOPSOIL, 5" THICK AND SODDING

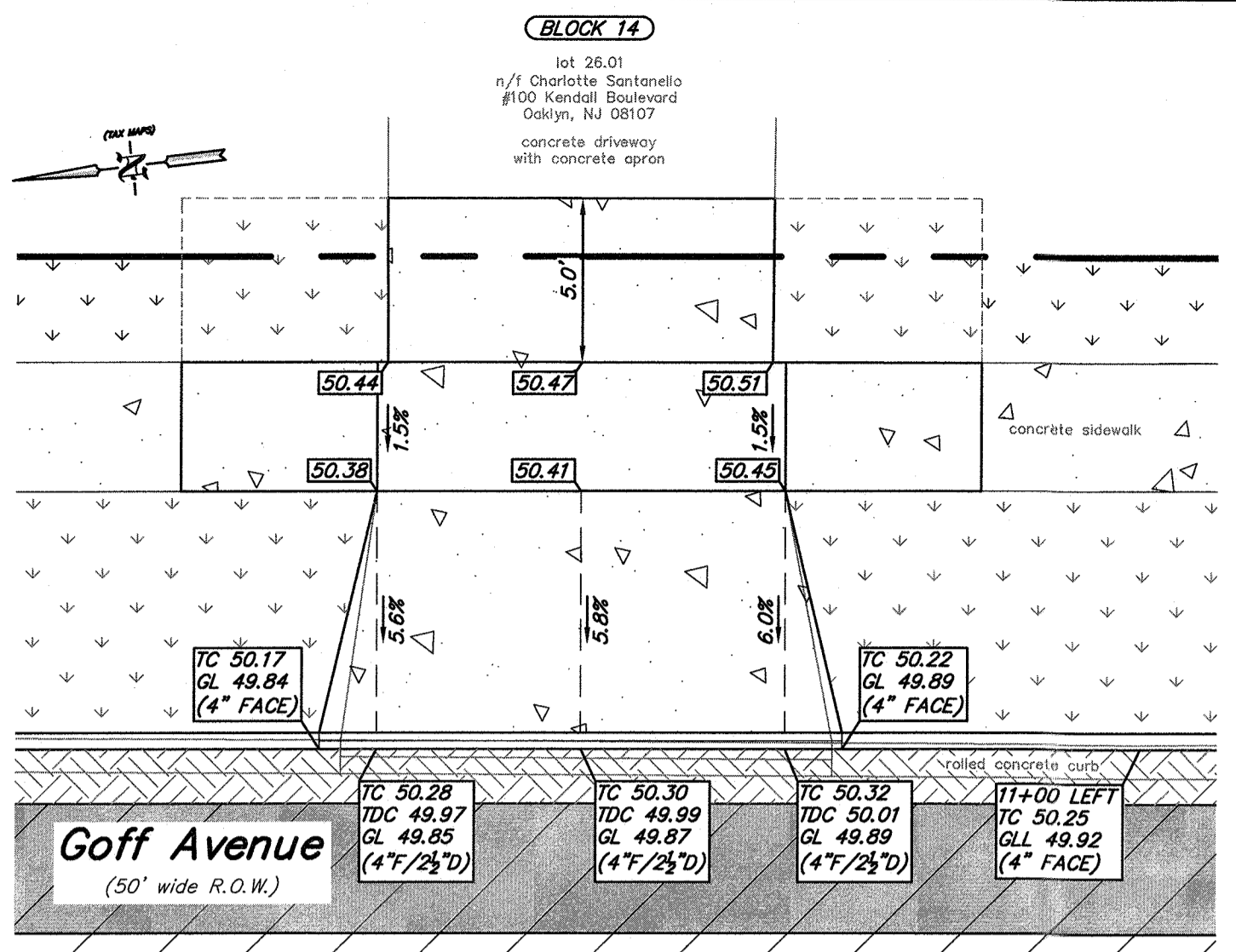
- ALL CURB RAMPS CONSTRUCTED SHALL MEET THE "PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY" (P.R.O.W.A.G.), DATED AUGUST 8, 2023
- ALL CONCRETE SIDEWALK DESIGNATED FOR REMOVAL SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT. IN LOCATIONS WHERE NO JOINTS EXIST, THE CONCRETE SIDEWALK SHALL BE SAWCUT VERTICALLY TO ALLOW FOR THE REMOVAL OF THE EXISTING SIDEWALK.
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- CRUSHED OR RECYCLED CONCRETE OR CRUSHED OR RECYCLED ASPHALT WILL NOT BE ACCEPTED AS A SUBSTITUTE TO DENSE GRADED AGGREGATE FOR THIS PROJECT.
- (N.S.P.) INDICATES NO SPECIFIC PAYMENT WILL BE MADE FOR THE ITEM. THE COST SHALL BE INCLUDED IN VARIOUS ITEMS IN THE PROPOSAL.
- THE CONTRACTOR SHALL NOT ENTER ONTO ANY PRIVATE PROPERTIES WITHOUT RECEIVING A "CONSENT TO ENTER AGREEMENT" FROM THE PROPERTY OWNER.
- SHOULD POLICE TRAFFIC DIRECTORS BE REQUIRED, THEIR SERVICES SHALL BE PAID FOR BY THE BOROUGH. AT NO COST TO THE CONTRACTOR. HOWEVER, THE CONTRACTOR MUST STILL PROVIDE, AT HIS COST, MAINTENANCE AND PROTECTION OF TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS. 24-HOUR ROAD CLOSINGS WILL NOT BE PERMITTED, UNLESS APPROVED BY THE CHIEF OF POLICE.

Plan: Intersection Grading Plan for Goff Avenue and Eden Avenue
scale: 1" = 5'

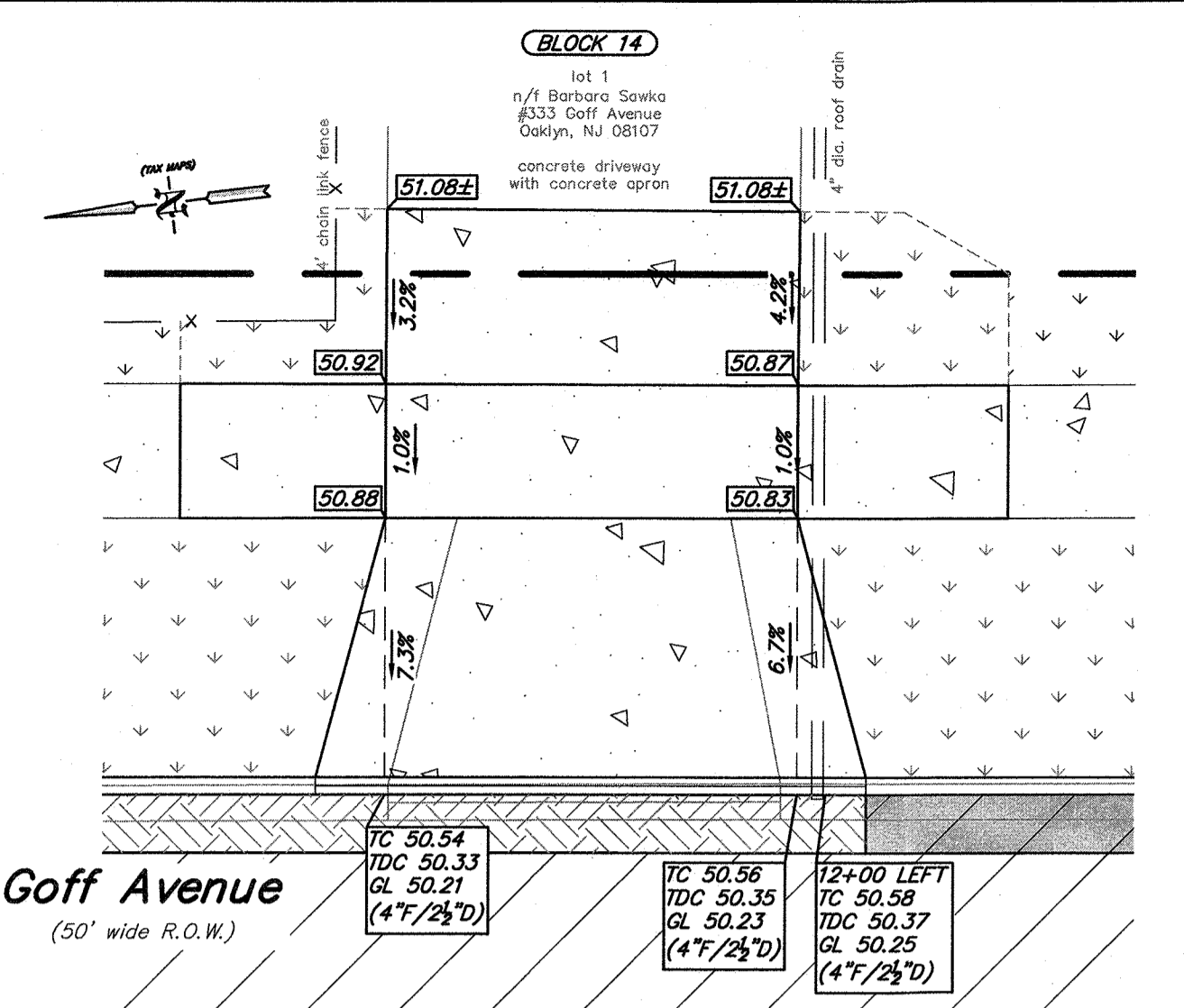
CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

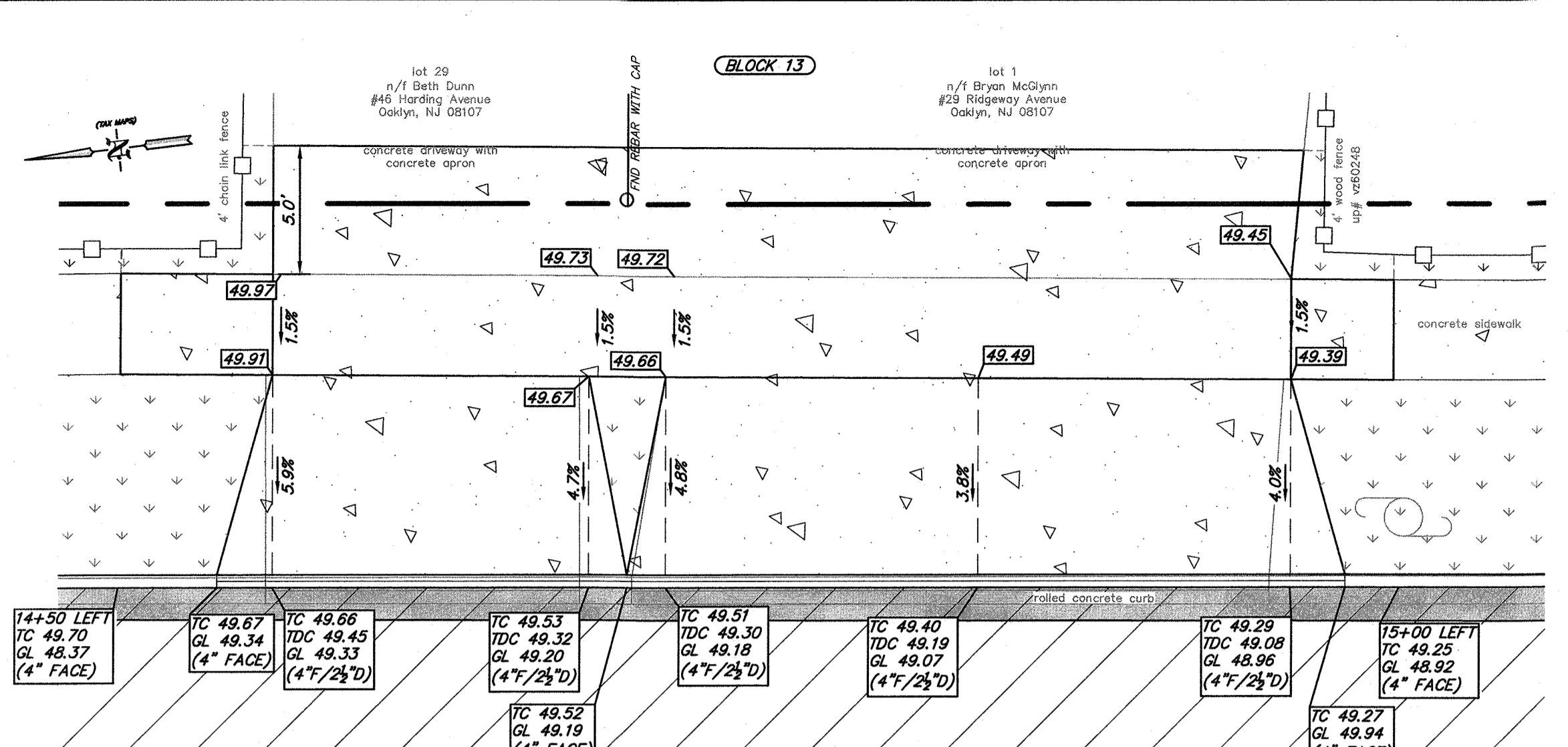
REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Intersection Grading Plan - Alt. No. 1				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End) Intersection of Goff Avenue and Eden Avenue				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23	DRAWN BY: S.H.	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 25-26JOK0522	FIELD BOOK/PAGE:	SHEET No. 8 OF 16		
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853		PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076		
89 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08008-2399 phone: (856) 767-6111 fax: (856) 763-1091 www.keyengineers.com		DATE: 11/9/23		



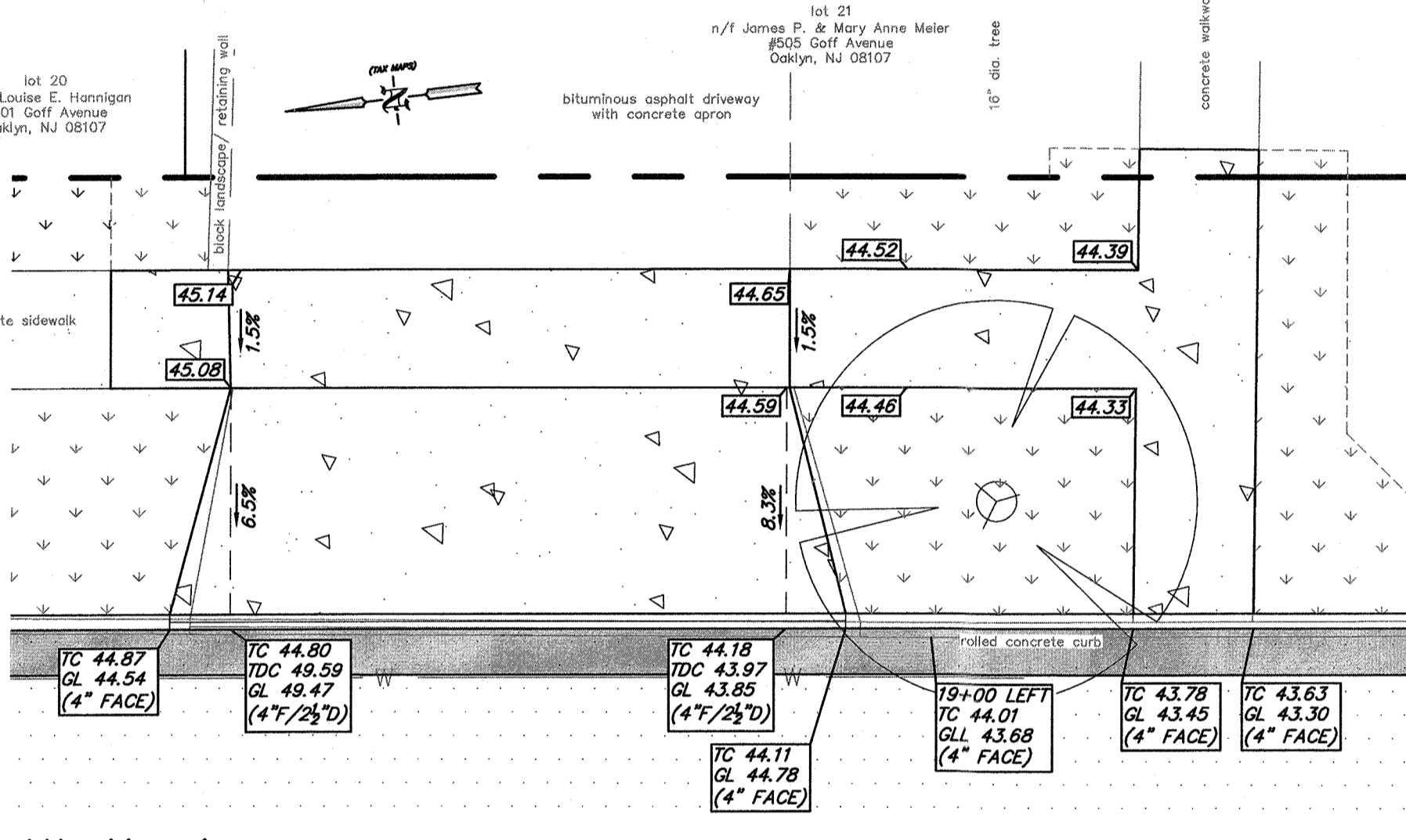
Plan: 100 Kendall Boulevard, Enlarged Driveway Detail, 1 of 2
scale: 1" = 5'



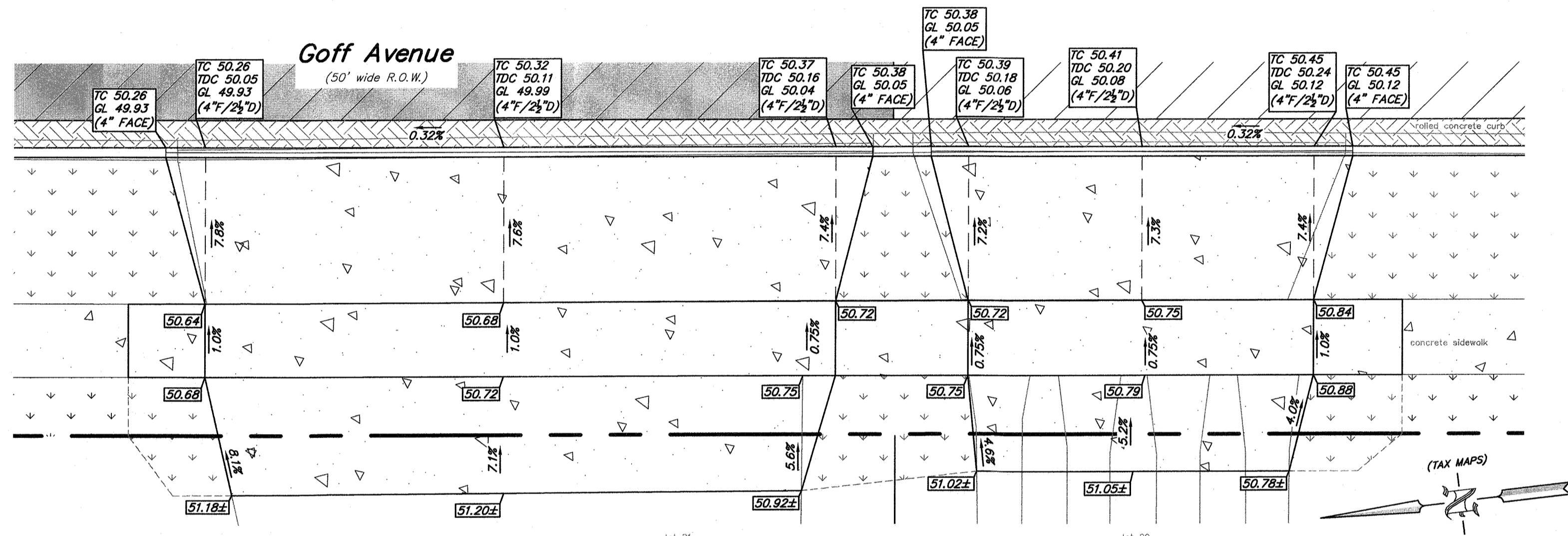
Plan: 333 Goff Avenue, Enlarged Driveway Detail
scale: 1" = 5'



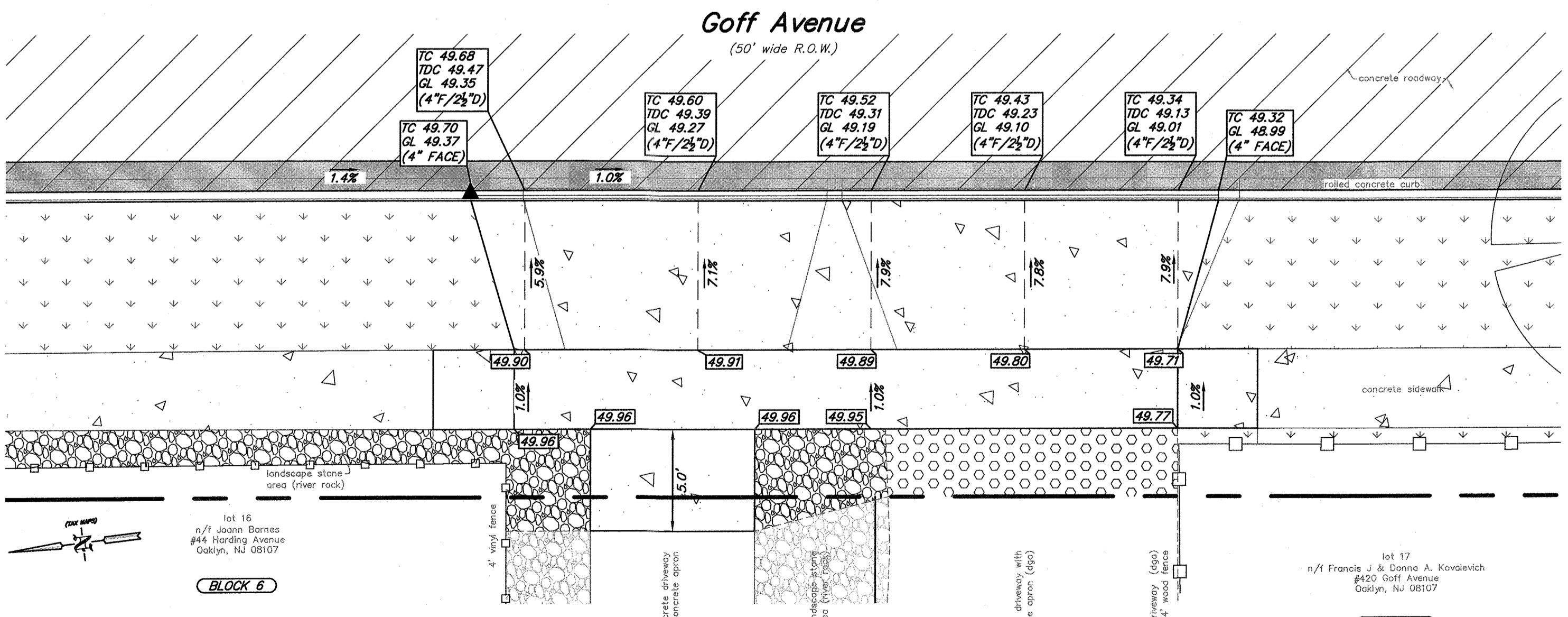
Plan: 46 Harding Avenue and 29 Ridgeway Avenue, Enlarged Driveway Detail
scale: 1" = 5'



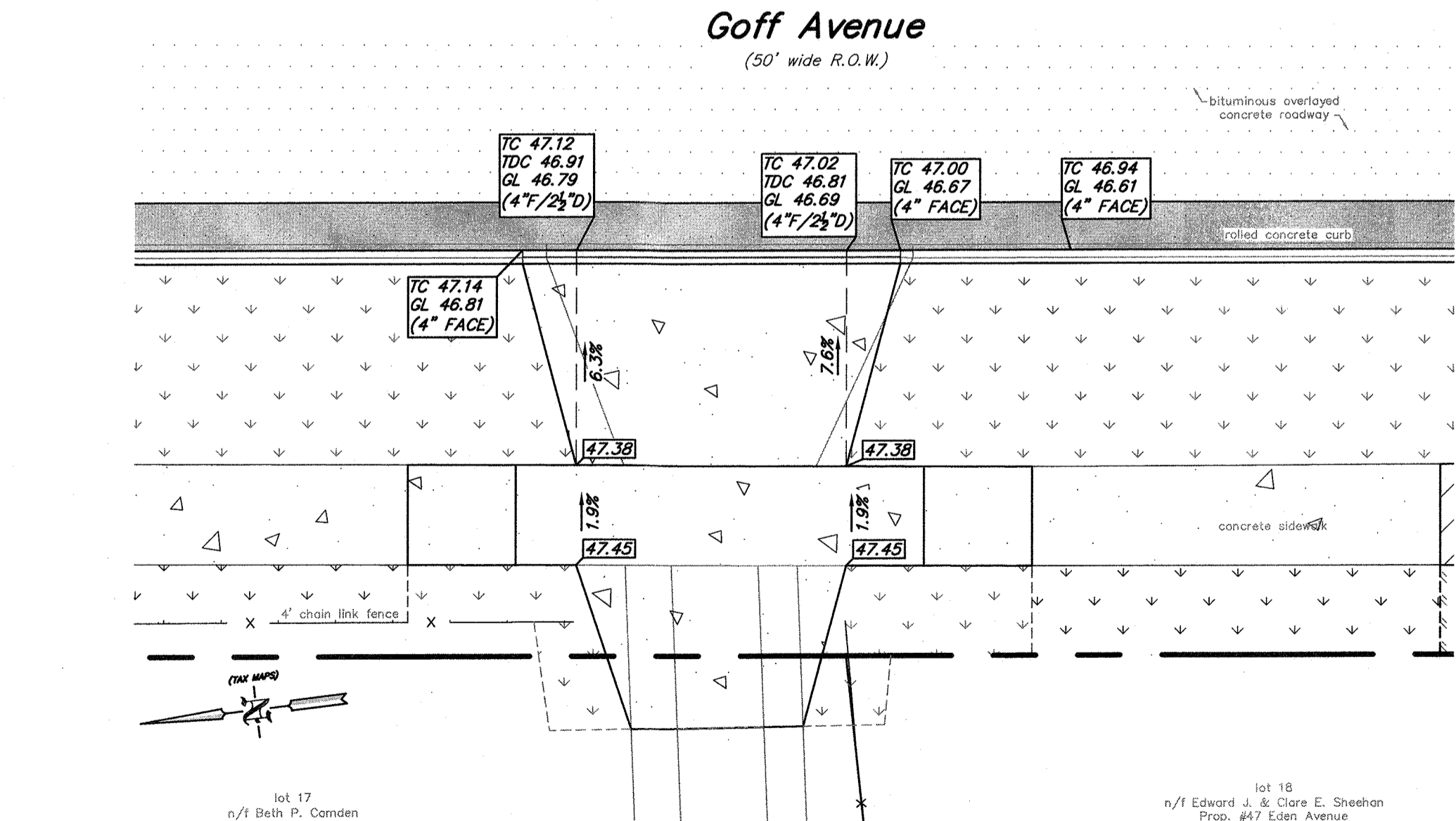
Alt. No. 1 Plan: 505 Goff Avenue, Enlarged Driveway Detail
scale: 1" = 5'



Plan: #96 Kendall Boulevard, and #55 Harding Avenue Enlarged Driveway Detail
scale: 1" = 5'



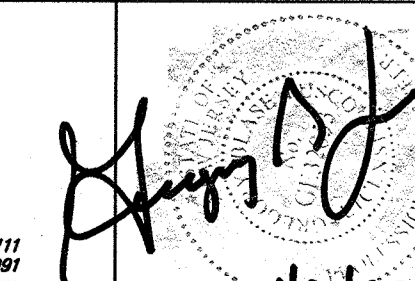
Plan: #44 Harding Avenue, and #420 Goff Avenue Enlarged Driveway Detail
scale: 1" = 5'



Plan: #26 Ridgeway Avenue Enlarged Driveway Detail
scale: 1" = 5'

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Enlarged Driveway Details				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End)				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23	DRAWN BY: S.H.	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 25-2630K0522	FIELD BOOK/PAGE:	SHEET No. 9 OF 16		
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853 P.A.P.E. No. 036608-E NJ PROFESSIONAL PLANNER No. 4076				
KEY ENGINEERS, INC.		 80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 CERTIFICATE OF AUTHORIZATION #246A28041300 PHONE: (908) 787-6111 FAX: (908) 783-1091 WWW.KEYENGINEERS.COM DATE: 11/5/23		

List of Quantities: Alternate No. 2:
Sump Pump/Roof Drain Collection System Along Goff Avenue
from Kendall Boulevard (CR 650) to Peters Creek (Dead End)
 (PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)
Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
1	SAWCUT CONCRETE ROADWAY	L.F.	240
2	REMOVE CONCRETE ROADWAY	S.Y.	12
3	8" DIA. P.V.C. SCH. 40 SUMP PUMP/ROOF DRAIN PIPE WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	L.F.	260
4	SUMP PUMP/ROOF DRAIN LATERAL & CLEANOUT, COMPLETE, WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	UNIT	5
5	STORM SEWER CLEANOUT, COMPLETE, WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	UNIT	0
6	SUMP LATERAL MARKER	UNIT	5
7	MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	0
8	CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	17
9	CONCRETE DRIVEWAY, 6" THICK, CLASS 'B', WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK	S.Y.	0
10	CONCRETE ROADWAY, 8" THICK, CLASS 'V'	S.Y.	12
11	TOPSOIL, 5" THICK AND SODDING	S.Y.	12
12	FUEL PRICE ADJUSTMENT	L.S.	L.S.

No Specific Payment Items:

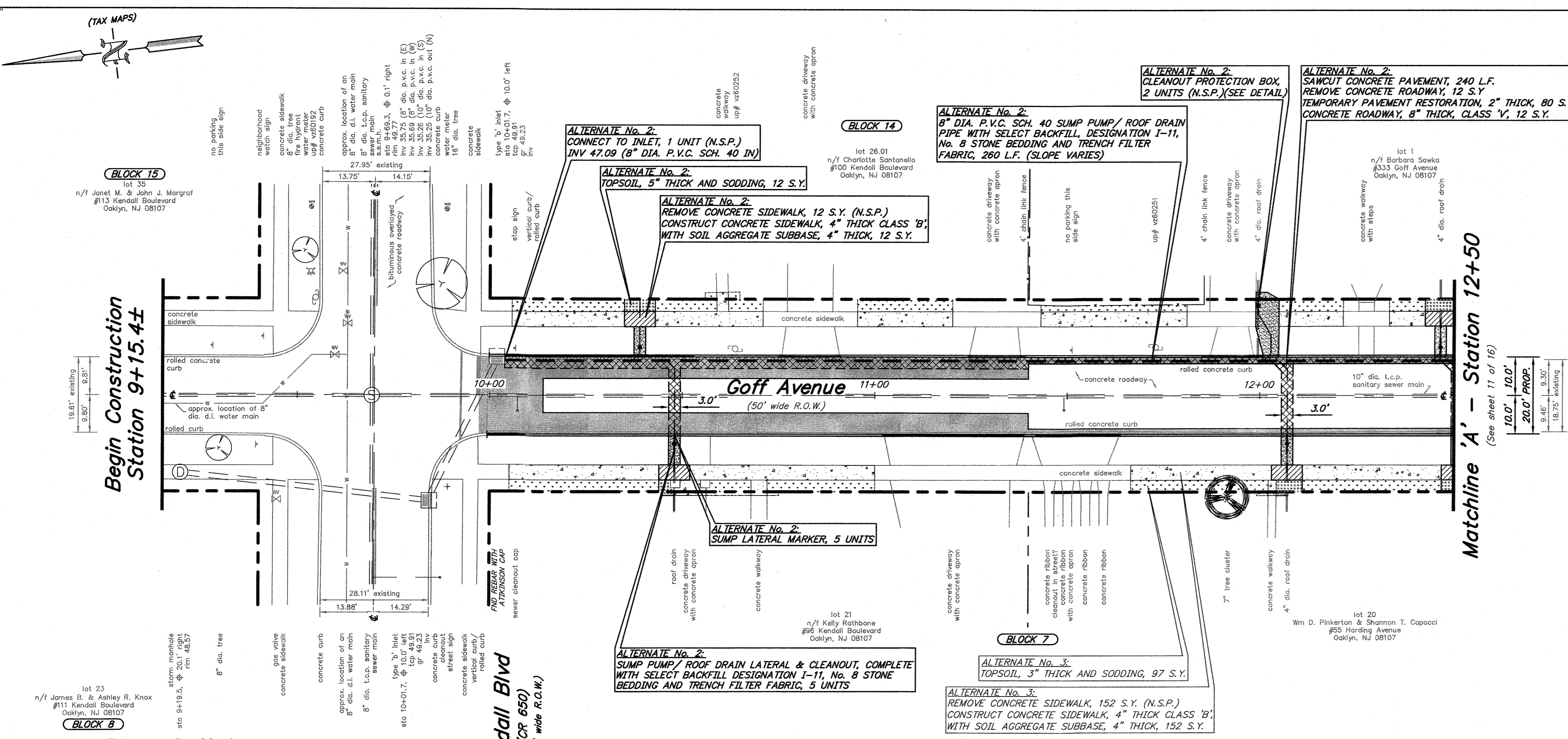
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	SUBSURFACE STRUCTURE EXCAVATION	N.S.P.	N.S.P.
C	CLEANOUT PROTECTION BOX	UNIT	2
D	TEMPORARY TRENCH PAVEMENT, 2" THICK	S.Y.	80
E	REMOVE CONCRETE SIDEWALK	S.Y.	12
F	REMOVE ROLLED CONCRETE CURB	S.Y.	0
G	CONNECT PIPE TO INLET	UNIT	1
H	DEWATERING	N.S.P.	N.S.P.
I	CONCRETE SEALING	N.S.P.	N.S.P.
J	WATERING	N.S.P.	N.S.P.
K	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.

List of Quantities: Alternate No. 3:
Remaining Concrete Sidewalk Replacement Along Goff Avenue
from Kendall Boulevard (CR 650) to Peters Creek (Dead End)
 (PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)
Payment Items:

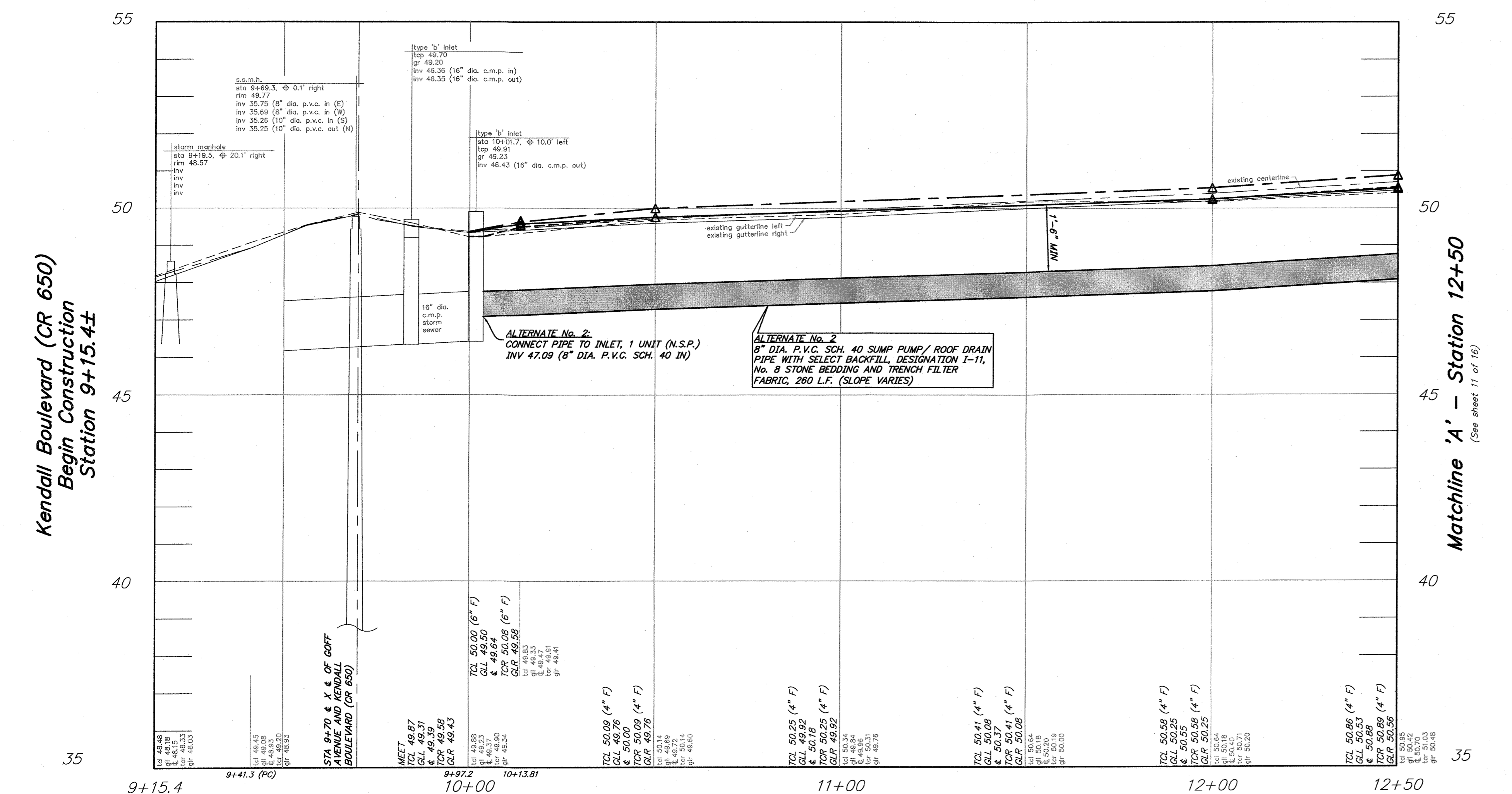
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
1	CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	152
2	TOPSOIL, 5" THICK AND SODDING	S.Y.	97
3	FUEL PRICE ADJUSTMENT	L.S.	L.S.

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	REMOVE CONCRETE SIDEWALK	S.Y.	152
C	RESET LANDSCAPING	S.F.	0
D	DEWATERING	N.S.P.	N.S.P.
E	CONCRETE SEALING	N.S.P.	N.S.P.
F	WATERING	N.S.P.	N.S.P.
G	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.



Plan: Goff Avenue
 scale: 1" = 20'



Profile: Goff Avenue
 scale: horizontal: 1 inch = 20 feet
 vertical: 1 inch = 2 feet

ALTERNATE No. 2: SUMP PUMP / ROOF DRAIN COLLECTION SYSTEM IMPROVEMENTS:
 SAWCUT CONCRETE PAVEMENT, 240 L.F.
 REMOVE CONCRETE ROADWAY, 12 S.Y. (N.S.P.)
 CONSTRUCT CONCRETE SIDEWALK, 4" THICK CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK, 12 S.Y.
 TEMPORARY PAVEMENT RESTORATION, 2" THICK, 80 S.Y.
 CONCRETE ROADWAY, 8" THICK, CLASS 'V', 12 S.Y.

Legend: Alternate No. 2:

- ALL AREAS TO BE COVERED UNDER THE BASE BID QUANTITIES FOR ALL SIDEWALK, DRIVEWAY APPROX, SIDEWALK, CONCRETE CURB, MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS 'B' AND TOPSOIL, 5" THICK AND SODDING
- ALL AREAS TO BE COVERED UNDER THE BASE BID QUANTITIES FOR ALL ROADWAY IMPROVEMENTS
- ALTERNATE No. 2: ALL AREAS TO BE COVERED UNDER THE BASE BID QUANTITIES FOR ALL ROADWAY IMPROVEMENTS EXCEPT: SUBSURFACE STRUCTURE EXCAVATION TEMPORARY TRENCH RESTORATION, 2" THICK
- ALTERNATE No. 2: SUBSURFACE STRUCTURE EXCAVATION TEMPORARY TRENCH RESTORATION, 2" THICK CONCRETE ROADWAY, 8" THICK, CLASS 'V' (SURFACE COURSE/LEVELING COURSE TO BE COVERED UNDER BASE BID)
- ALTERNATE No. 2: TOPSOIL, 5" THICK AND SODDING

ALTERNATE No. 3: CONCRETE IMPROVEMENTS:
 REMOVE CONCRETE SIDEWALK, 152 S.Y. (N.S.P.)
 CONSTRUCT CONCRETE SIDEWALK, 4" THICK CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK, 152 S.Y.

ALTERNATE No. 3:
 TOPSOIL, 5" THICK AND SODDING, 97 S.Y.

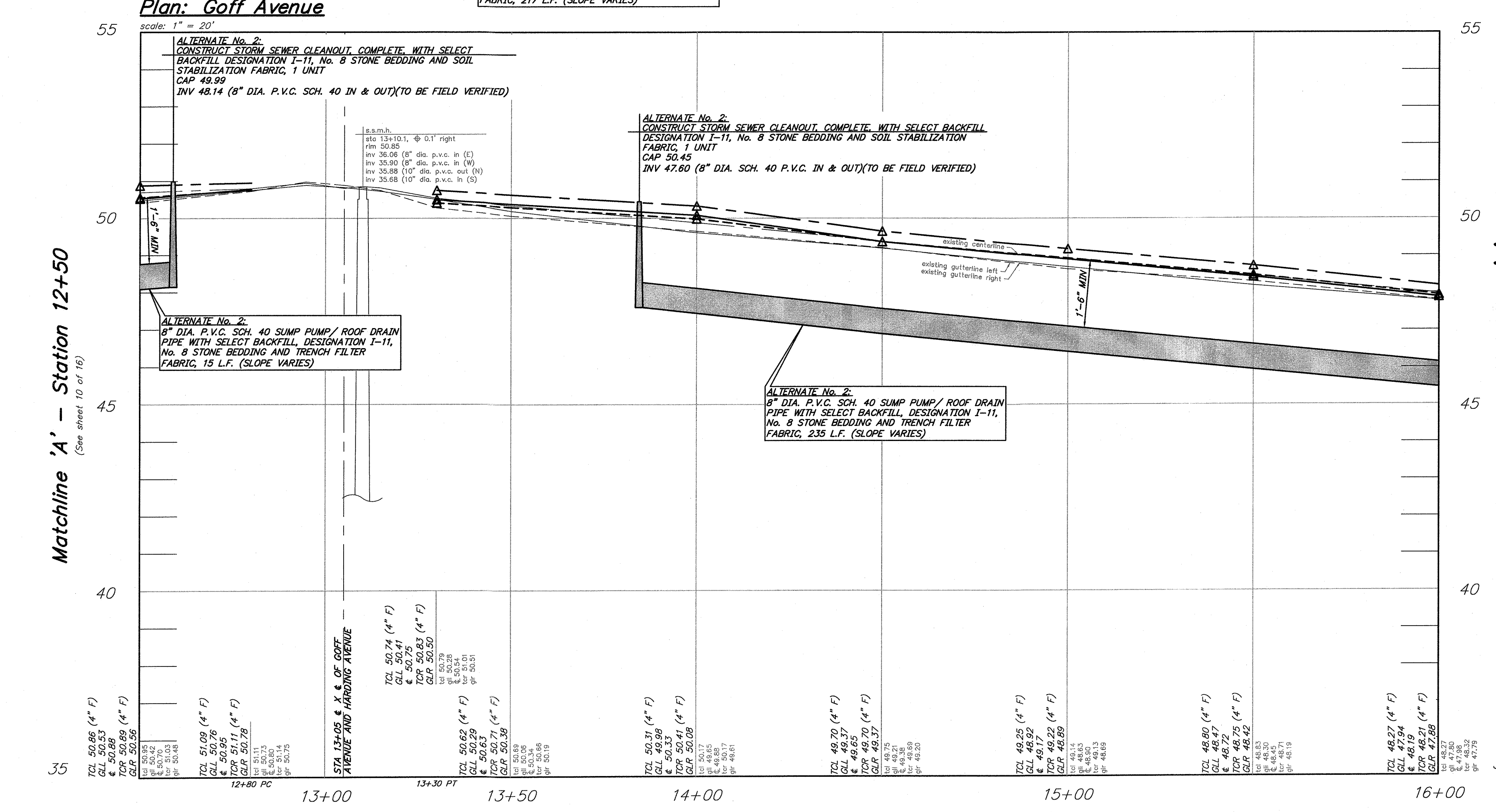
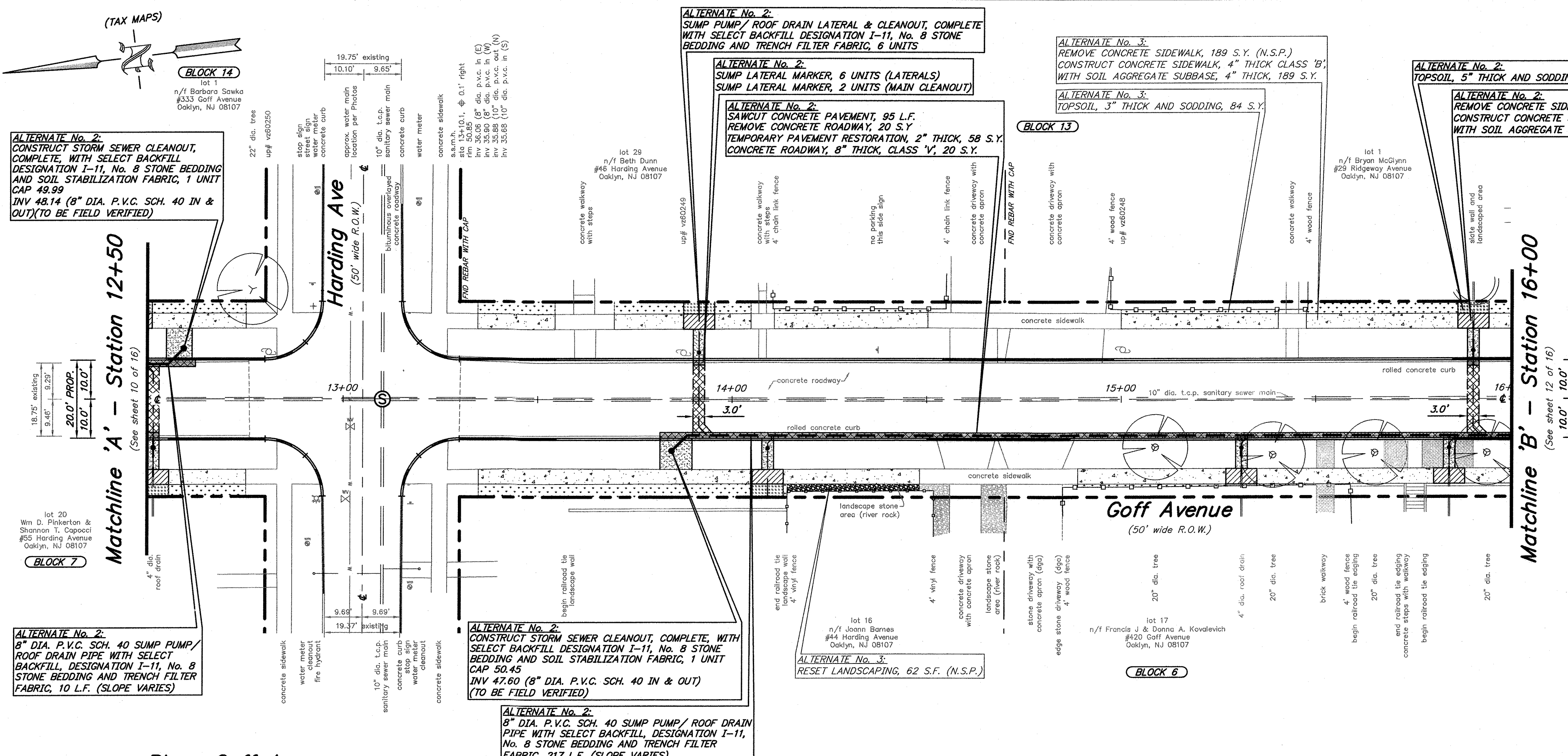
Legend: Alternate No. 3:

- ALTERNATE No. 3: REMOVE CONCRETE SIDEWALK (N.S.P.) CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK
- ALTERNATE No. 3: TOPSOIL, 5" THICK AND SODDING

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER WHOSE NAME AND SIGNATURE APPEARS HEREON.

REV.	DATE:	DESCRIPTION	DRWN.	CHKD.
Construction Plan - Alternate 2 & 3				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End) Station 9+00 to Station 12+50				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23	DRAWN BY: S.H.	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 25-2630K0522	FIELD BOOK/PAGE:	SHEET No. 10 OF 16		
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NIPE No. 32853		P.A.P.E. No. 036608-E NJ PROFESSIONAL PLANNER No. 4076		
KEY ENGINEERS, INC. 80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 phone: (202) 767-6111 fax: (202) 763-1091 www.keyengineers.com		DATE: 5/9/23		



List of Quantities: Alternate No. 2:
Sump Pump / Roof Drain Collection System Along Goff Avenue from Kendall Boulevard (CR 650) to Peters Creek (Dead End)
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
1	SAWCUT CONCRETE ROADWAY	L.F.	95
2	REMOVE CONCRETE ROADWAY	S.Y.	20
3	8" DIA. P.V.C. SCH. 40 SUMP PUMP/ROOF DRAIN PIPE WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	L.F.	240
4	SUMP PUMP/ROOF DRAIN LATERAL & CLEANOUT, COMPLETE, WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	UNIT	6
5	STORM SEWER CLEANOUT, COMPLETE, WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	UNIT	2
6	SUMP LATERAL MARKER	UNIT	8
7	MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	0
8	CONCRETE SIDEWALK, 4" THICK, CLASS 'B' WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	10
9	CONCRETE DRIVEWAY, 6" THICK, CLASS 'B', WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK	S.Y.	0
10	CONCRETE ROADWAY, 8" THICK, CLASS 'V'	S.Y.	20
11	TOPSOIL, 5" THICK AND SODDING	S.Y.	12
12	FUEL PRICE ADJUSTMENT	L.S.	L.S.

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	SUBSURFACE STRUCTURE EXCAVATION	N.S.P.	N.S.P.
C	CLEANOUT PROTECTION BOX	UNIT	0
D	TEMPORARY TRENCH PAVEMENT, 2" THICK CONCRETE ROADWAY, 8" THICK, CLASS 'V' (SURFACE COURSE/LEVELING COURSE TO BE COVERED UNDER BASE BID)	S.Y.	58
E	REMOVE CONCRETE SIDEWALK	S.Y.	10
F	REMOVE ROLLED CONCRETE CURB	S.Y.	0
G	CONNECT PIPE TO INLET	UNIT	0
H	DEWATERING	N.S.P.	N.S.P.
I	CONCRETE SEALING	N.S.P.	N.S.P.
J	WATERING	N.S.P.	N.S.P.
K	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.

List of Quantities: Alternate No. 3:
Remaining Concrete Sidewalk Replacement Along Goff Avenue from Kendall Boulevard (CR 650) to Peters Creek (Dead End)
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
1	CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	189
2	TOPSOIL, 5" THICK AND SODDING	S.Y.	84
3	FUEL PRICE ADJUSTMENT	L.S.	L.S.

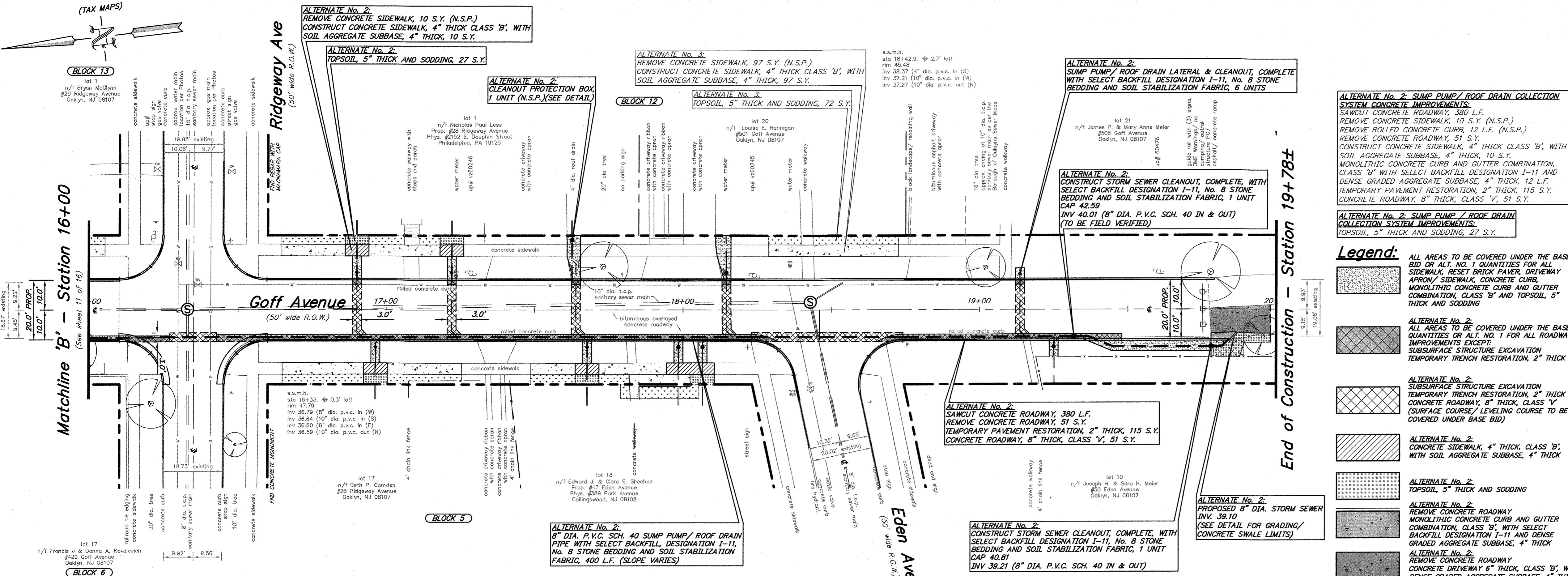
No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	REMOVE CONCRETE SIDEWALK	S.Y.	189
C	RESET LANDSCAPING	S.F.	62
D	DEWATERING	N.S.P.	N.S.P.
E	CONCRETE SEALING	N.S.P.	N.S.P.
F	WATERING	N.S.P.	N.S.P.
G	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.

REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Construction Plan - Alternate 2 & 3				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End) Station 12+50 to Station 16+00				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23	DRAWN BY: S.H.	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 25-2630K0522	FIELD BOOK/PAGE:	SHEET No. 11 OF 16		
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
N.J.P.E. No. 32853 P.A.P.E. No. 036608-E NJ PROFESSIONAL PLANNER No. 4076				
KEY		ENGINEERS, INC.		
80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 phone: (856) 767-6111 fax: (856) 763-1091 www.keyengineers.com		DATE: 11/5/23		

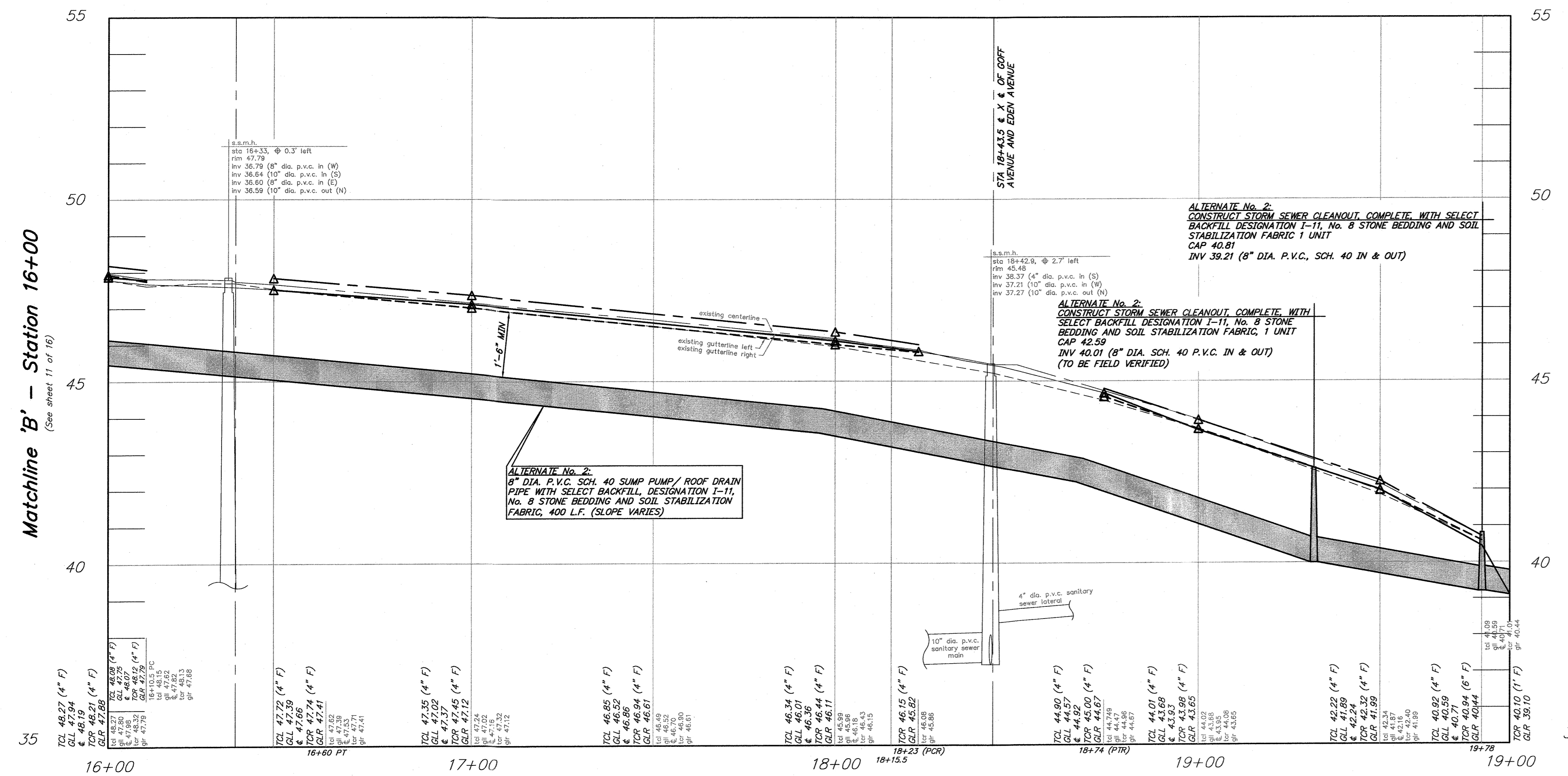
CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.



Plan: Goff Avenue

scale: 1" = 20'



Profile: Goff Avenue

scale: horizontal: 1 inch = 20 feet
vertical: 1 inch = 2 feet

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

- ALTERNATE No. 2: SUMP PUMP / ROOF DRAIN COLLECTION SYSTEM CONCRETE IMPROVEMENTS: SAWCUT CONCRETE ROADWAY, 380 L.F. REMOVE CONCRETE SIDEWALK, 10 S.Y. (N.S.P.) REMOVE ROLLED CONCRETE CURB, 12 L.F. (N.S.P.) CONSTRUCT CONCRETE SIDEWALK, 4" THICK CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK, 10 S.Y. MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS 'B' WITH SELECT BACKFILL DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK, 12 L.F. TEMPORARY PAVEMENT RESTORATION, 2" THICK, 115 S.Y. CONCRETE ROADWAY, 8" THICK, CLASS 'V', 51 S.Y.
- ALTERNATE No. 2: SUMP PUMP / ROOF DRAIN COLLECTION SYSTEM IMPROVEMENTS: TOPSOIL, 5" THICK AND SODDING, 27 S.Y.
- Legend: ALL AREAS TO BE COVERED UNDER THE BASE BID OR ALT. NO. 1 QUANTITIES FOR ALL SIDEWALK, RESET BRICK PAVEMENT, DRIVEWAY APPROX SIDEWALK, CONCRETE CURB, MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS 'B' AND TOPSOIL, 5" THICK AND SODDING
- ALTERNATE No. 2: ALL AREAS TO BE COVERED UNDER THE BASE BID QUANTITIES OR ALT. NO. 1 FOR ALL ROADWAY IMPROVEMENTS EXCEPT: SUBSURFACE STRUCTURE EXCAVATION TEMPORARY TRENCH RESTORATION, 2" THICK
- ALTERNATE No. 2: SUBSURFACE STRUCTURE EXCAVATION TEMPORARY TRENCH RESTORATION, 2" THICK CONCRETE ROADWAY, 8" THICK CLASS 'Y' (SURFACE COURSE/ LEVELING COURSE TO BE COVERED UNDER BASE BID)
- ALTERNATE No. 2: CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK
- ALTERNATE No. 2: TOPSOIL, 5" THICK AND SODDING
- ALTERNATE No. 2: PROPOSED 8" DIA. STORM SEWER INV. 39.10 (SEE DETAIL FOR GRADING/ CONCRETE SWALE LIMITS)
- ALTERNATE No. 2: REMOVE CONCRETE ROADWAY CONCRETE DRIVEWAY 6" THICK, CLASS 'B', WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK

List of Quantities: Alternate No. 2: Sump Pump / Roof Drain Collection System Along Goff Avenue from Kendall Boulevard (CR 650) to Peters Creek (Dead End) (PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
1	SAWCUT CONCRETE ROADWAY	L.F.	380
2	REMOVE CONCRETE ROADWAY	S.Y.	51
3	8" DIA. P.V.C. SCH. 40 SUMP PUMP/ROOF DRAIN PIPE WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	L.F.	400
4	SUMP PUMP/ROOF DRAIN LATERAL & CLEANOUT, COMPLETE, WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	UNIT	6
5	STORM SEWER CLEANOUT, COMPLETE, WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC	UNIT	2
6	SUMP LATERAL MARKER	UNIT	8
7	MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	12
8	CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	10
9	CONCRETE DRIVEWAY, 6" THICK, CLASS 'B', WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK	S.Y.	22
10	CONCRETE ROADWAY, 8" THICK, CLASS 'V'	S.Y.	51
11	TOPSOIL, 5" THICK AND SODDING	S.Y.	27
12	FUEL PRICE ADJUSTMENT	L.S.	L.S.

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	SUBSURFACE STRUCTURE EXCAVATION	N.S.P.	N.S.P.
C	CLEANOUT PROTECTION BOX	UNIT	1
D	TEMPORARY TRENCH PAVEMENT, 2" THICK	S.Y.	115
E	REMOVE CONCRETE SIDEWALK	S.Y.	10
F	REMOVE ROLLED CONCRETE CURB	S.Y.	12
G	CONNECT PIPE TO INLET	UNIT	0
H	DEWATERING	N.S.P.	N.S.P.
I	CONCRETE SEALING	N.S.P.	N.S.P.
J	WATERING	N.S.P.	N.S.P.
K	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.

List of Quantities: Alternate No. 3: Remaining Concrete Sidewalk Replacement Along Goff Avenue from Kendall Boulevard (CR 650) to Peters Creek (Dead End) (PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2023)

Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
1	CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	97
2	TOPSOIL, 5" THICK AND SODDING	S.Y.	72
3	FUEL PRICE ADJUSTMENT	L.S.	L.S.

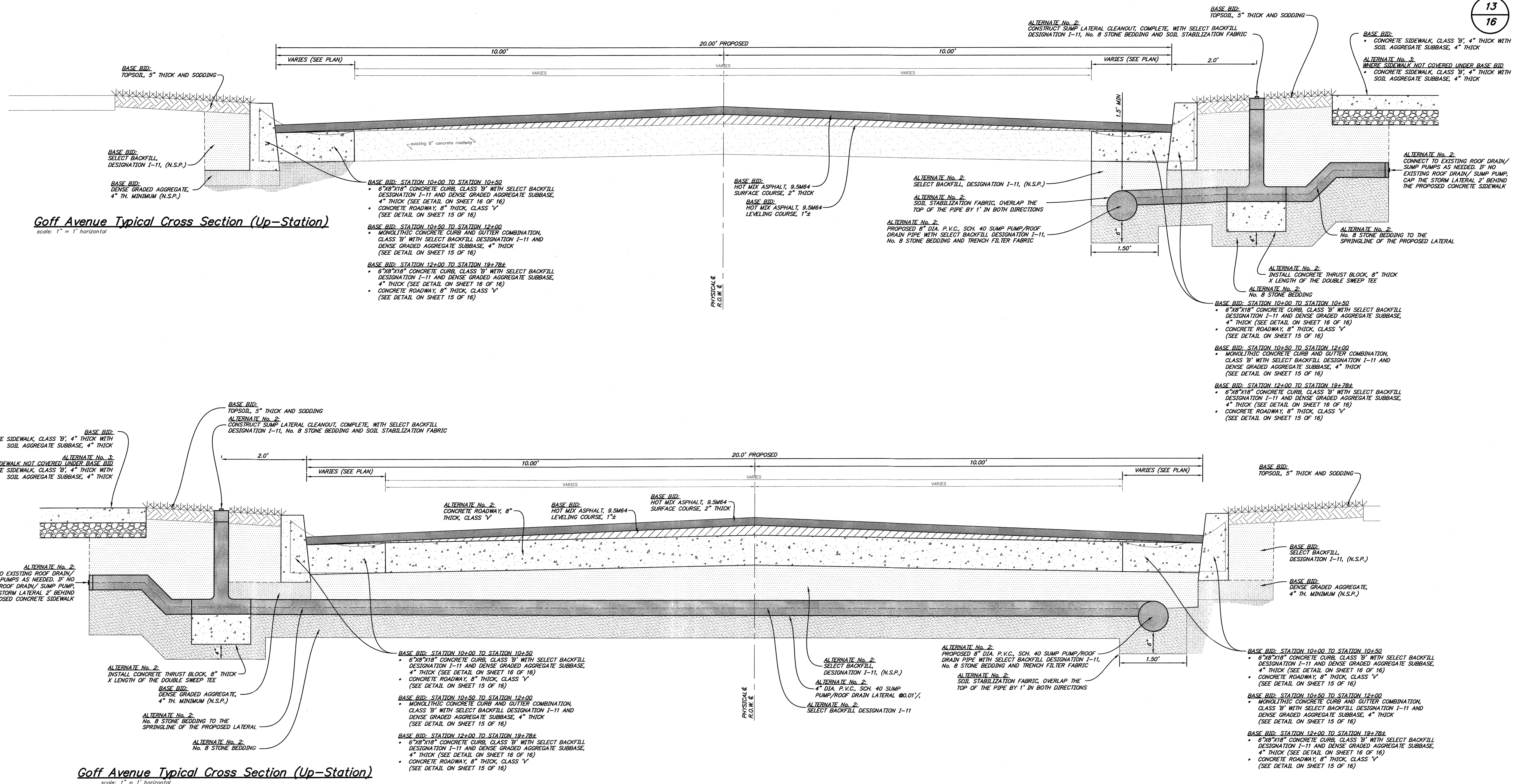
No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	REMOVE CONCRETE SIDEWALK	S.Y.	97
C	RESET LANDSCAPING	S.F.	0
D	DEWATERING	N.S.P.	N.S.P.
E	CONCRETE SEALING	N.S.P.	N.S.P.
F	WATERING	N.S.P.	N.S.P.
G	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.

- ALL CURB RAMPS CONSTRUCTED SHALL MEET THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, DATED AUGUST 8, 2023.
- THE CONTRACTOR SHALL UTILIZE THE EXISTING ROADWAY AS A CONSTRUCTION ENTRANCE. THE ROADWAY SHALL BE CLEANED AS NEEDED OR AS DIRECTED BY THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT AND THE BOROUGH ENGINEER, TO ELIMINATE TRAFFIC HAZARDS, DUST, ETC. (see soil conservation notes), LUMP SUM (N.S.P.).
- ALL CONCRETE SIDEWALK DESIGNATED FOR REMOVAL, SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT. IN LOCATIONS WHERE NO JOINTS EXIST, THE CONCRETE SIDEWALK SHALL BE SAWCUT, VERTICALLY, TO ALLOW FOR THE REMOVAL OF THE EXISTING SIDEWALK.
- CRUSHED OR RECYCLED CONCRETE OR CRUSHED OR RECYCLED ASPHALT WILL NOT BE ACCEPTED AS A SUBSTITUTE TO DENSE GRADED AGGREGATE FOR THIS PROJECT.
- (N.S.P.) INDICATES NO SPECIFIC PAYMENT WILL BE MADE FOR THE ITEM, THE COST SHALL BE INCLUDED IN VARIOUS ITEMS IN THE PROPOSAL.
- THE CONTRACTOR SHALL NOT ENTER ONTO ANY PRIVATE PROPERTIES WITHOUT RECEIVING A "CONSENT TO ENTER AGREEMENT" FROM THE PROPERTY OWNER.

REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Construction Plan - Alternate 2 & 3				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End) Station 16+00 to the Sta 19+78.1 (Dead end)				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23	DRAWN BY: S.H.	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 25-2630K0522		FIELD BOOK/PAGE:		SHEET No. 12 OF 18
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853		PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076		
KEY ENGINEERS, INC.		INC.		
80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 CERTIFICATE OF AUTHORIZATION #240A28041300		phone: (856) 767-6111 fax: (856) 755-1091 www.keyengineers.com		
DATE: 5/9/23				

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.



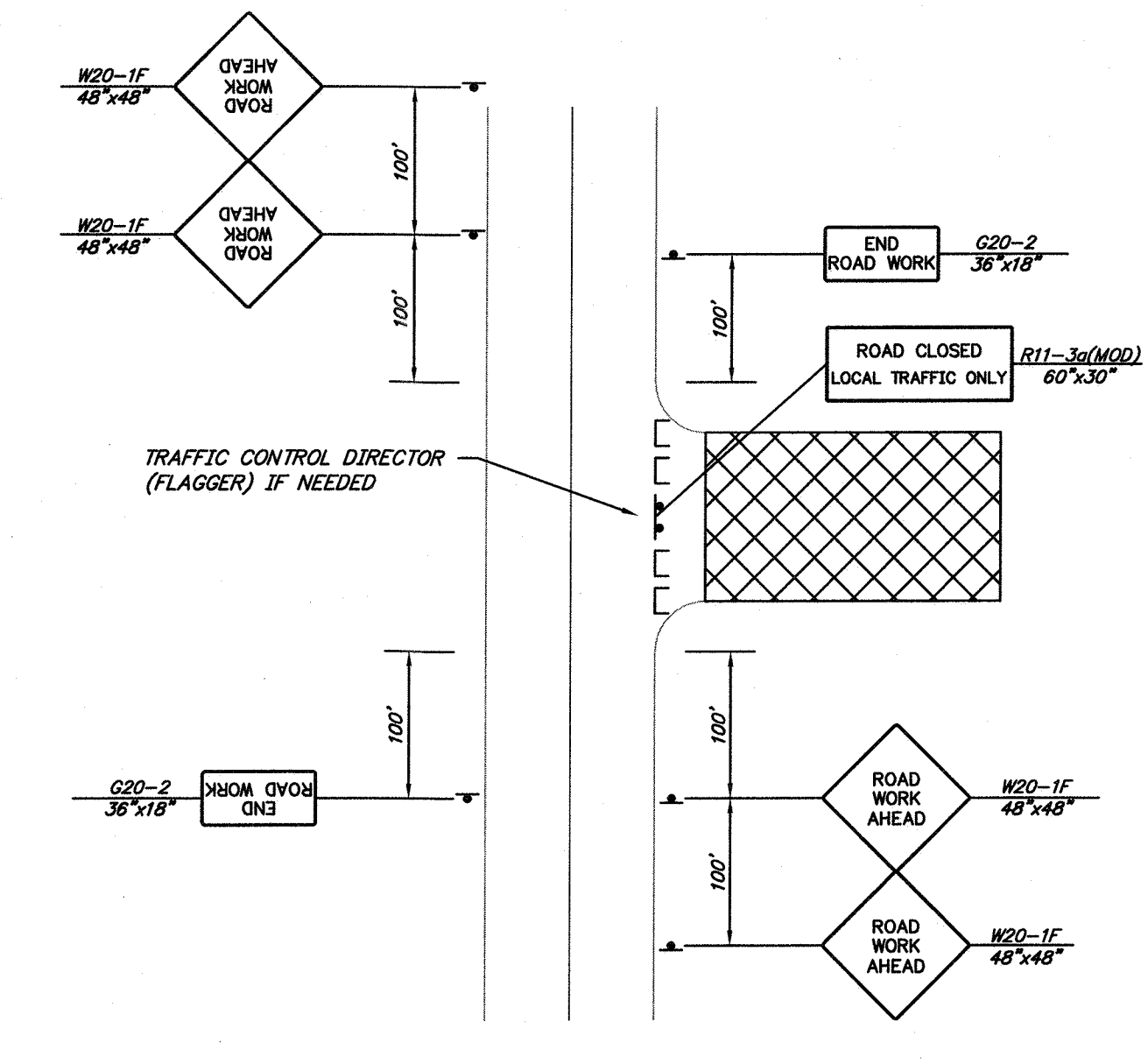
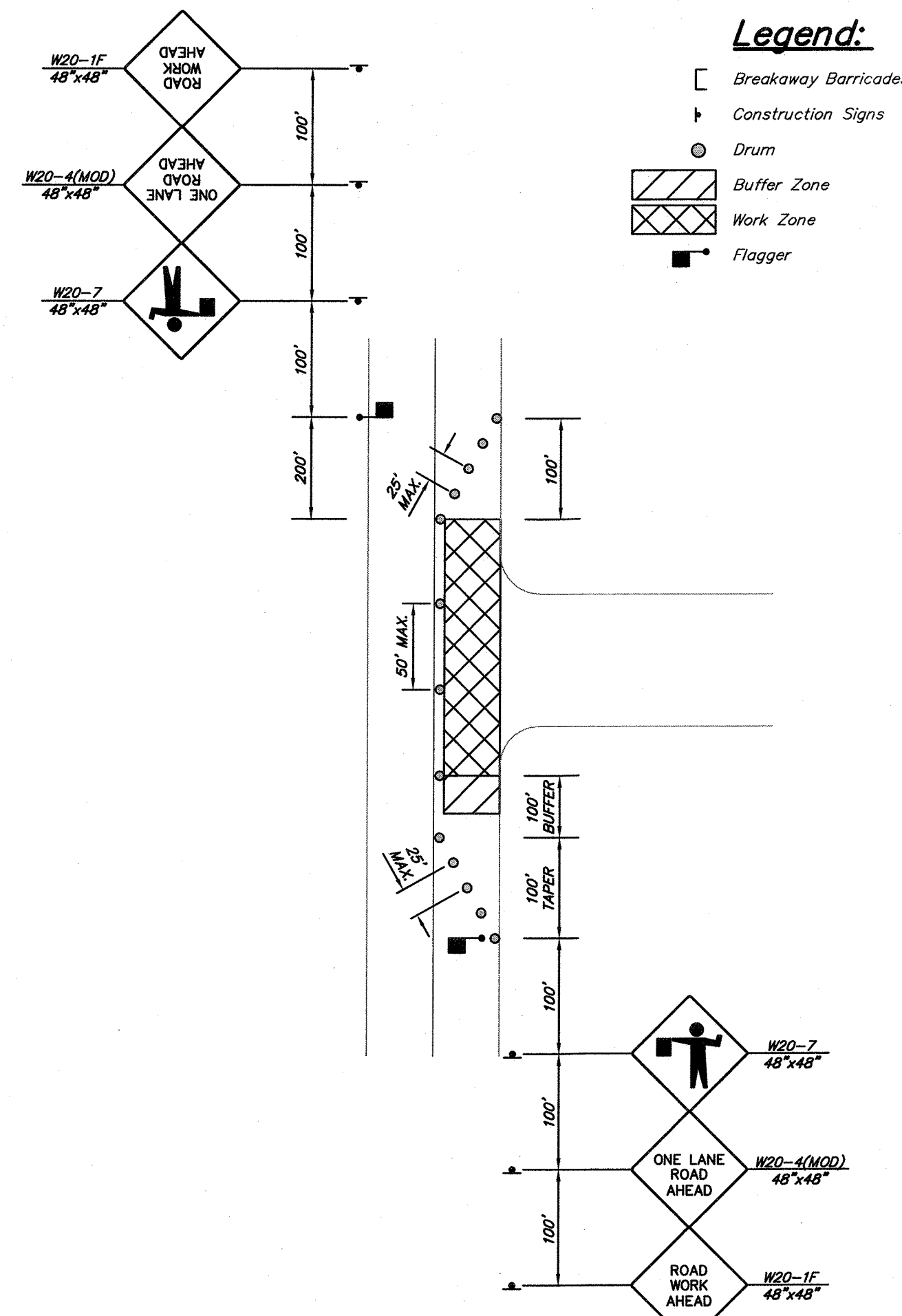
REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Typical Cross Sections				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End) Typical Cross-Sections				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23		DRAWN BY: S.H.	CHKD. BY:	SCALE: AS NOTED
PROJECT No. 25-2830K0522		FIELD BOOK/PAGE:	SHEET No. 13 OF 16	
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853		PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076		
KEY		ENGINEERS, INC.		
80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 CERTIFICATE OF AUTHORIZATION #24CA28041300		PHONE (908) 787-6111 FAX (908) 753-1081 WWW.KEYENGINEERS.COM		
				DATE: 11/9/23

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

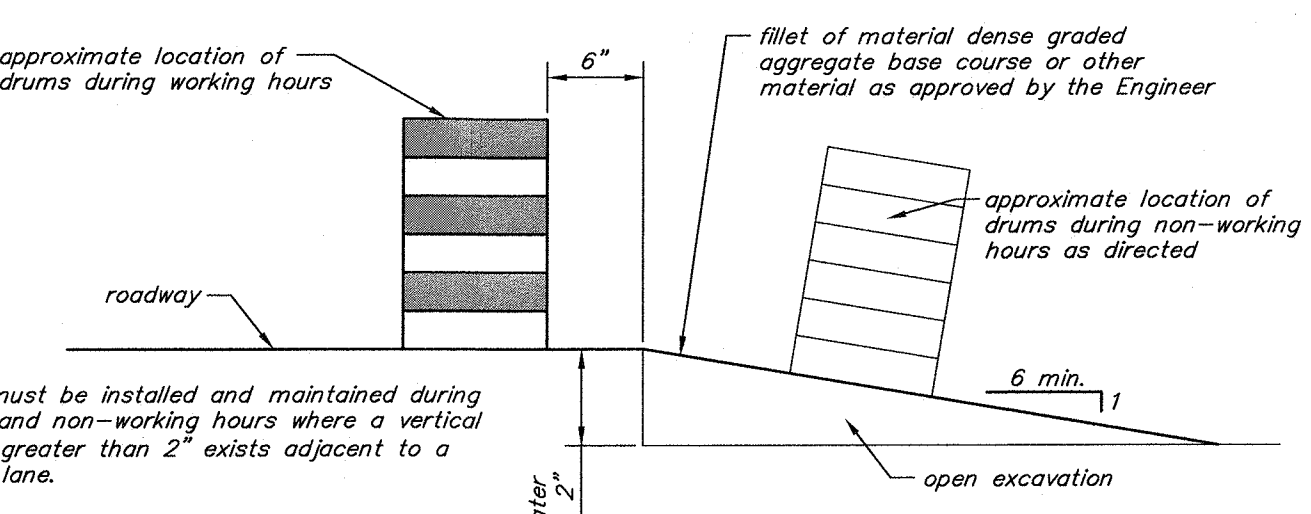
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General Traffic Notes:

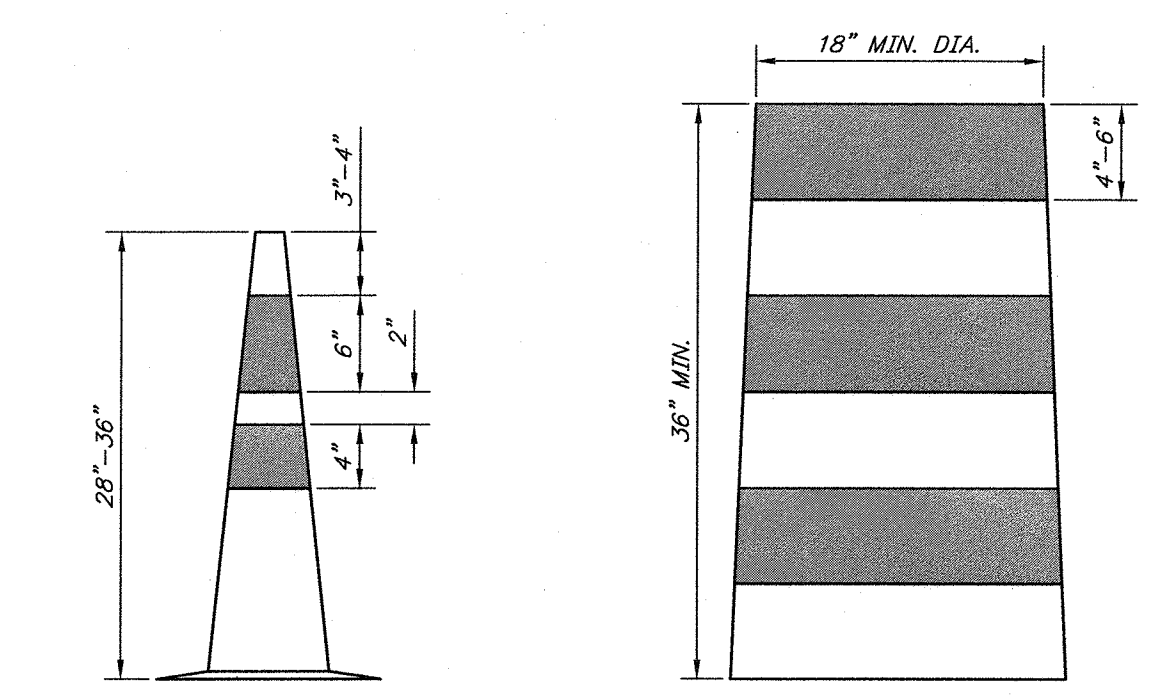
- ADVANCE WARNING SIGNS, DISTANCES AND TAPER LENGTHS MAY BE EXTENDED, AT THE DIRECTION OF THE ENGINEER, TO ADJUST FOR REDUCED VISIBILITY DUE TO HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY.
- PRIOR TO ANY ROAD CONSTRUCTION, TRAFFIC CONTROL SIGNS AND DEVICES ARE TO BE IN PLACE.
- RAMPS AND/OR SIDE STREETS ENTERING THE ROADWAY AFTER THE FIRST ADVANCE WARNING SIGN SHALL BE PROVIDED WITH AT LEAST ONE W20-1F SIGN (ROAD WORK AHEAD) AT A MINIMUM.
- ALL EXISTING ROAD SIGNS, PAVEMENT MARKINGS AND/OR PLOWABLE PAVEMENT REFLECTORS WHICH CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED, REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER.
- CONFLICTING OR NON-OPERATING SIGNAL INDICATIONS ON EITHER THE EXISTING, TEMPORARY OR PROPOSED TRAFFIC SIGNAL SYSTEMS SHALL BE BAGGED OR COVERED.
- MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES - PART IV "STANDARDS AND GUIDES FOR TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY AND INCIDENT MANAGEMENT OPERATIONS", UNLESS OTHERWISE NOTED IN THE PLANS AND SPECIFICATIONS AND SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION SIGN W99-2 (GIVE US A BRAKE) SHOULD BE LOCATED 200 FEET IN ADVANCE OF PROJECT LIMITS.
- A W1-6 (ARROW) SIGN MOUNTED ON A BREAKAWAY BARRICADE AND CENTERED ON THE CLOSED WIDTH SHALL BE LOCATED 100 FEET BEYOND EACH INTERSECTION OR MAIN ACCESS POINT WITHIN THE AREA OF A LANE OR SHOULDER CLOSURE.
- CONSTRUCTION SIGNS R11-4 (ROAD CLOSED TO THRU TRAFFIC) SHALL BE PLACED AT THE INTERSECTING STREETS WHICH ARE CLOSED TO TRAFFIC BECAUSE OF CONSTRUCTION.
- CONSTRUCTION SIGNS W8-9A (SYMBOL FOR UNEVEN PAVEMENT) AND W8-14A (GROOVED PAVEMENT) SHALL BE USED WHEN SUCH PAVEMENT CONDITIONS EXIST. THE PLACEMENT OF THESE SIGNS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE SAFE ACCESS OF CONSTRUCTION VEHICLES THROUGHOUT THE WORK SITE WHERE SPACE CONSTRAINTS PREVENT THE USE OF LANE CLOSURES. THE PLAN SHALL BE SUBMITTED TO THE ENGINEER AS SPECIFIED IN THE STANDARD SPECIFICATIONS.
- BACKFILL ALL EXCAVATED AREAS WITHIN OR ADJACENT TO THE ROADWAY AND PLACE ON AT LEAST 6H:1V SLOPE BEFORE THE END OF EACH WORK DAY. OTHER EXCAVATED AREAS WITHIN THE CLEAR ZONE SHALL BE BACKFILLED.
- WHERE REQUIRED, THE CONTRACTOR SHALL MAKE PROVISIONS FOR MAINTAINING PEDESTRIAN CROSSING LOCATIONS AND TYPE AS DIRECTED BY THE ENGINEER.
- BITUMINOUS CONCRETE PLACED DURING THE VARIOUS CONSTRUCTION STAGES SHALL BE TRANSITIONED ON A MINIMUM 20H:1V SLOPE TO MEET THE ADJACENT EXISTING GRADE AT THE LONGITUDINAL AND TRANSVERSE LIMITS OF THE STAGE CONSTRUCTION AREAS UNLESS OTHERWISE NOTED ON THE STAGE CONSTRUCTION PLANS.
- THE PLACEMENT AND/OR RELOCATION OF CONSTRUCTION BARRIER CURB TO BE DONE DURING APPROVED OFF-PEAK HOURS WHEN TRAFFIC MAY BE REDUCED TO ONE LANE IN EACH DIRECTION.
- DO NOT CONSTRUCT THE FINAL HMA SURFACE PAVEMENT UNTIL THE FINAL STAGE OF THE PROJECT UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR INDICATED ON THE PLANS. SET MANHOLES AND INLETS TO FINISHED GRADE AND LOCATED TEMPORARY PAVEMENT RAMPS AROUND THEM WITH A MINIMUM 20H:1V SLOPE IN ALL DIRECTIONS USING HOT MIX ASPHALT PAVEMENT. THIS TEMPORARY MATERIAL WILL BE REMOVED IMMEDIATELY PRIOR TO PLACING THE SURFACE COURSE.
- PLACE TRAFFIC CONTROL DEVICES FOR LANE CLOSURES INCLUDING SIGNS, CONES, BARRICADES, ETC. AS SHOWN ON THE PLANS. NO SIGNS SHALL BE PLACED WITHOUT ACTUAL LANE CLOSURES AND REMOVED IMMEDIATELY UPON REMOVAL OF THE CLOSURES.
- CONES MAY BE SUBSTITUTED FOR DRUMS AND INSTALLED UPON THE APPROVAL OF THE ENGINEER.



Typical Road Closed Traffic Control Detail
not to scale

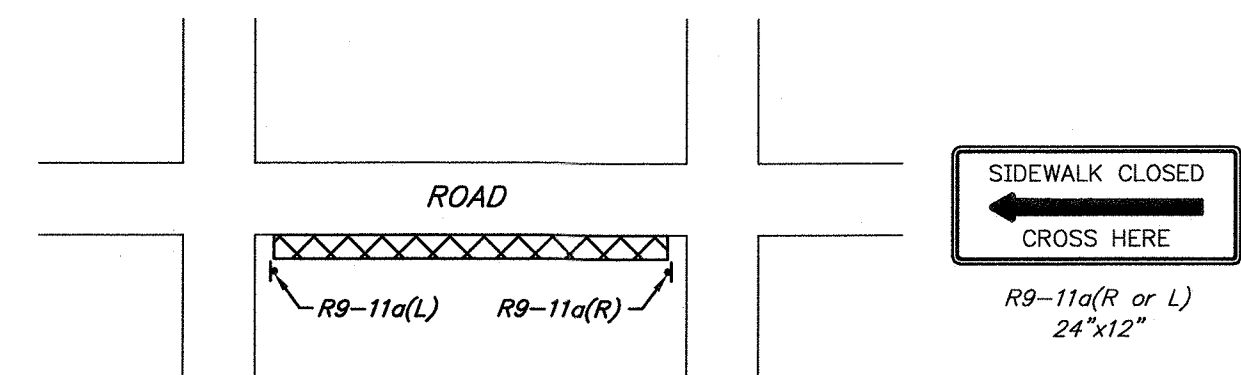


Drum Location Detail
not to scale



Traffic Cone Detail scale: 1" = 1'
Drum Detail scale: 1" = 1'

NOTE: THE FRAMING FOR BARRICADE PANELS SHALL BE NCHRP MASH 2016 CRASH TESTED AND FHWA APPROVED



Typical Pedestrian Detour Plan
not to scale

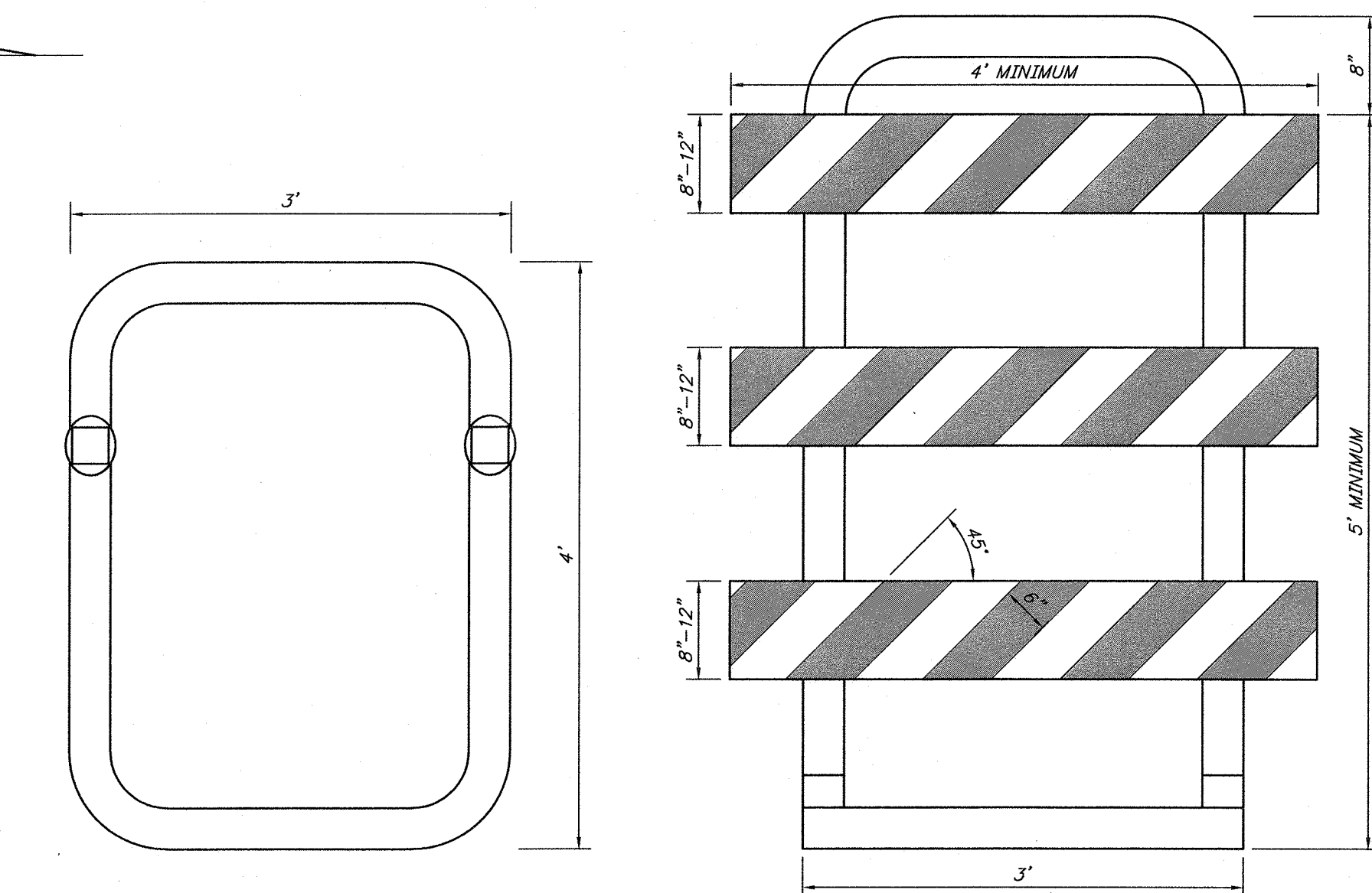
Two Lanes, Undivided Lane Closing with Flagger
not to scale

REGULATORY APPROACH SPEED OF TRAFFIC MILES / HOUR	RECOMMENDED TAPER LENGTH AND SPACING FOR CHANNELIZING TAPERS			RECOMMENDED SPACING ALONG TANGENTS
	MINIMUM TAPER RATIO IN LENGTH PER FOOT OF WIDTH	MINIMUM TAPER LENGTH L - FOR LANE WIDTHS	MAXIMUM DEVICE (B) SPACING ALONG TAPERS IN FEET	
25	10:1	105 115 125	25	50
30	10:1	150 160 170	30	60
35	10:1	200 210 220	35	70
40	10:1	270 280 290	40	80
45	10:1	340 350 360	45	90
50	10:1	410 420 430	50	100
55	10:1	480 490 500	55	110
60	10:1	550 560 570	60	120
65	10:1	620 630 640	65	130

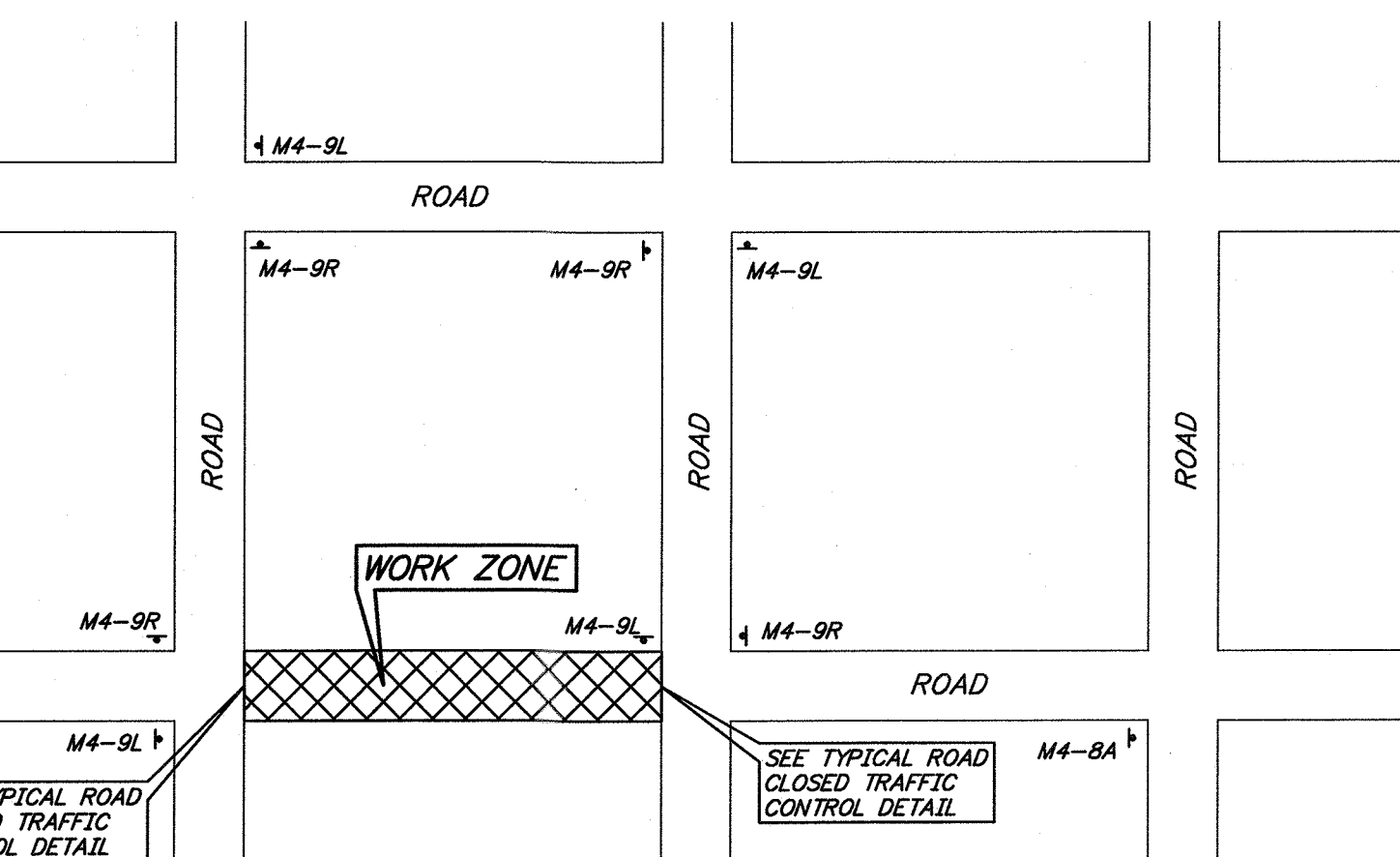
NOTE: THE MAXIMUM DEVICE SPACING ALONG CURVES IS DEFINED FOR TAPERS (B) IN THE ABOVE TABLE.

REGULATORY APPROACH SPEED OF TRAFFIC MILES/HOUR	RECOMMENDED SIGHT DISTANCE TO BEGINNING OF CHANNELIZING TAPERS		
	DESIRABLE	URBAN	MINIMUM
25	375	325	300
30	450	390	360
35	525	455	420
40	600	520	480
45	675	585	540
50	750	650	600
55	825	715	660
60	900	780	720
65	975	845	780

- NOTES:**
- AVOIDANCE MANEUVER IS FOR A SPEED, PATH, AND / OR DIRECTION CHANGE PRIOR TO THE BEGINNING OF CHANNELIZING TAPERS.
 - RECOMMENDED DISTANCES BETWEEN TWO SEPARATE LANE CLOSURES ARE DOUBLE THE VALUES SHOWN ABOVE.
 - RURAL AND URBAN ROAD DESIGNATIONS ARE AS DEFINED IN THE NJDOT STATE HIGHWAY STRAIGHT LINE DIAGRAMS.
 - PROVIDE DESIRABLE VALUES WHEREVER POSSIBLE. IF IT IS NOT FEASIBLE OR PRACTICAL TO PROVIDE DESIRABLE VALUES BECAUSE OF HORIZONTAL OR VERTICAL CURVATURE OR IF RELOCATION OF THE TAPER IS NOT POSSIBLE, THEN MINIMUM VALUES CAN BE APPLIED. WHEN MINIMUM VALUES ARE USED, PAY SPECIAL ATTENTION TO THE USE OF SUITABLE TRAFFIC CONTROL DEVICES WHEN PROVIDING ADVANCED WARNING OF THE CONDITIONS THAT ARE LIKELY TO BE ENCOUNTERED.
 - LOCATE TAPERS TO MAXIMIZE THE VISIBILITY OF THEIR TOTAL LENGTH.



Type III Breakaway Barricade Detail
scale: 1" = 1'

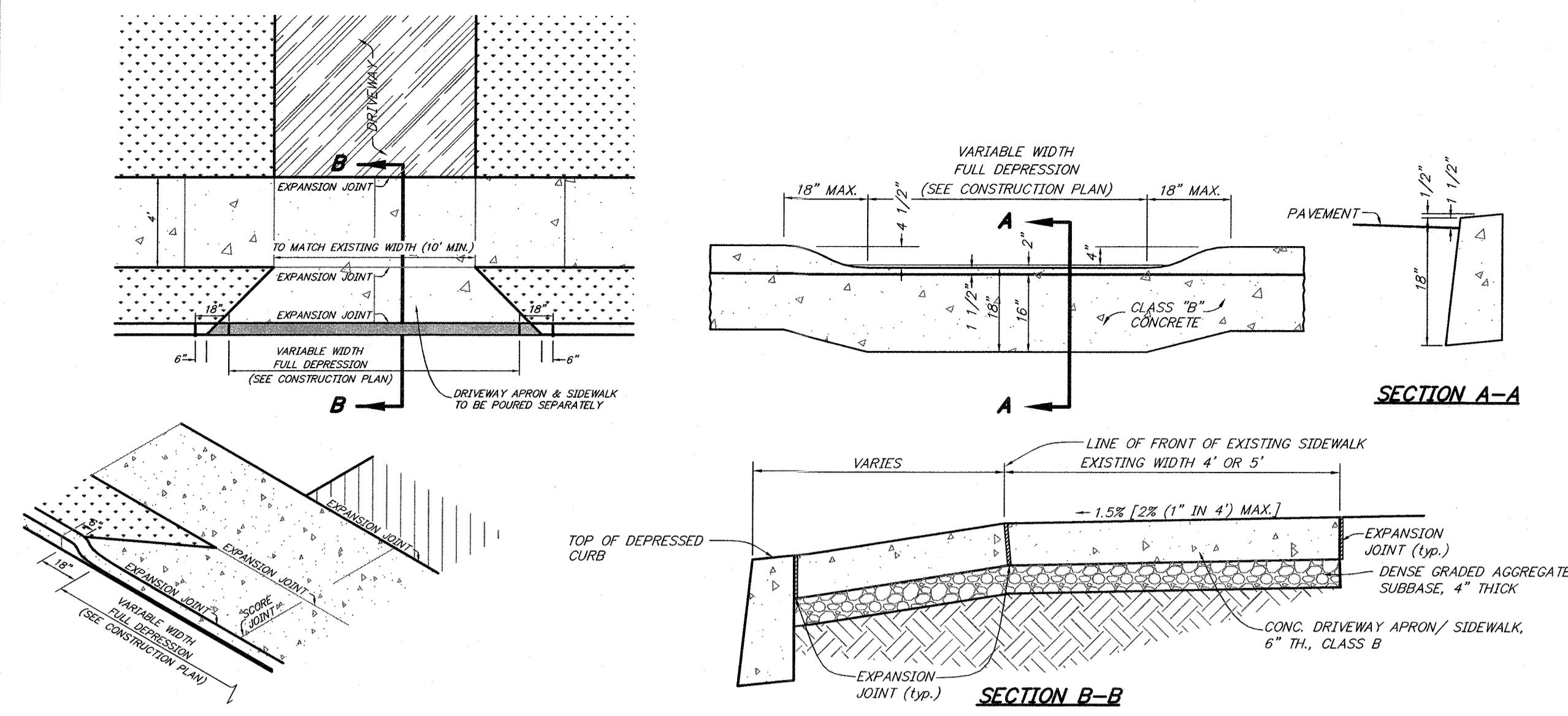


Typical Roadway Detour Plan
not to scale

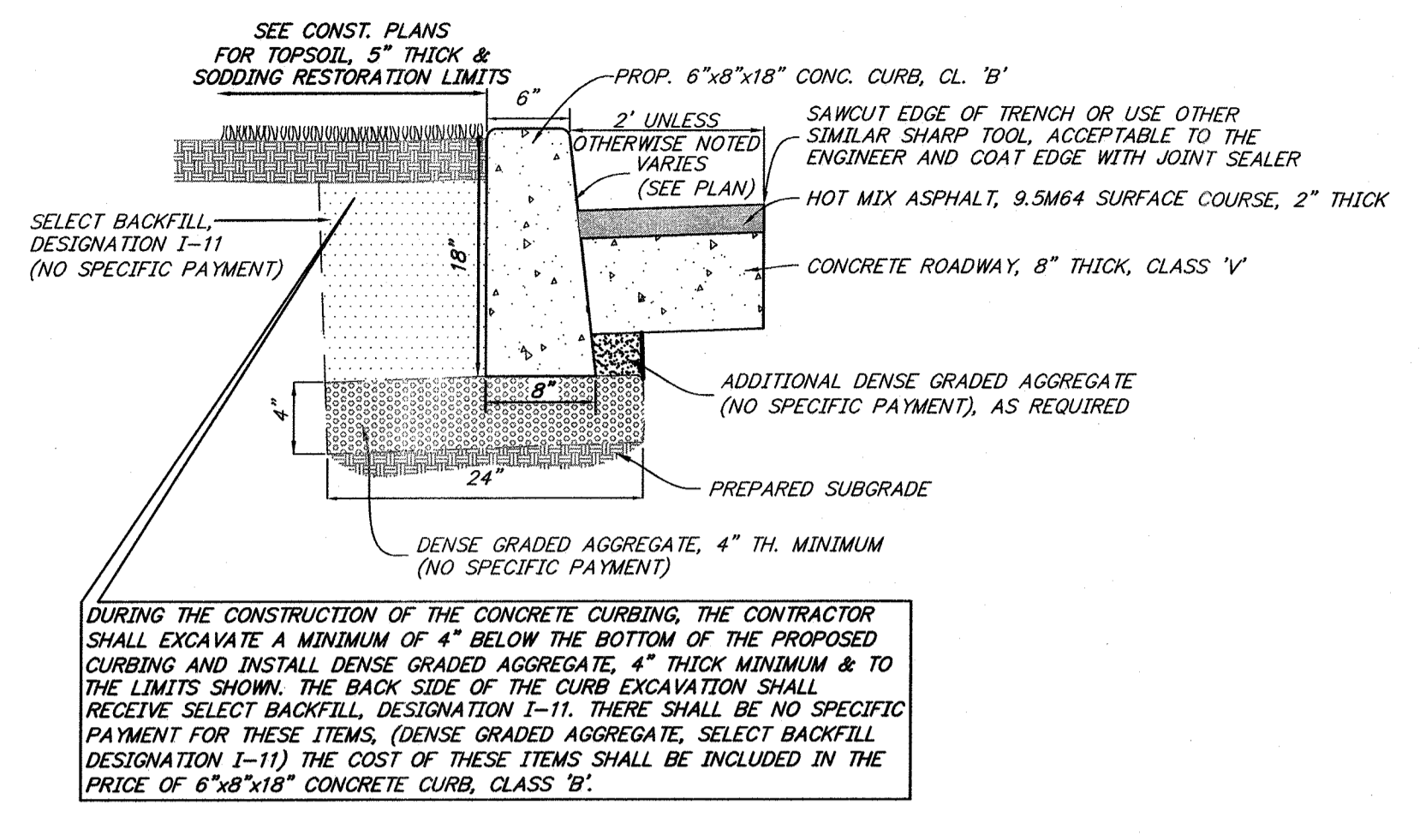
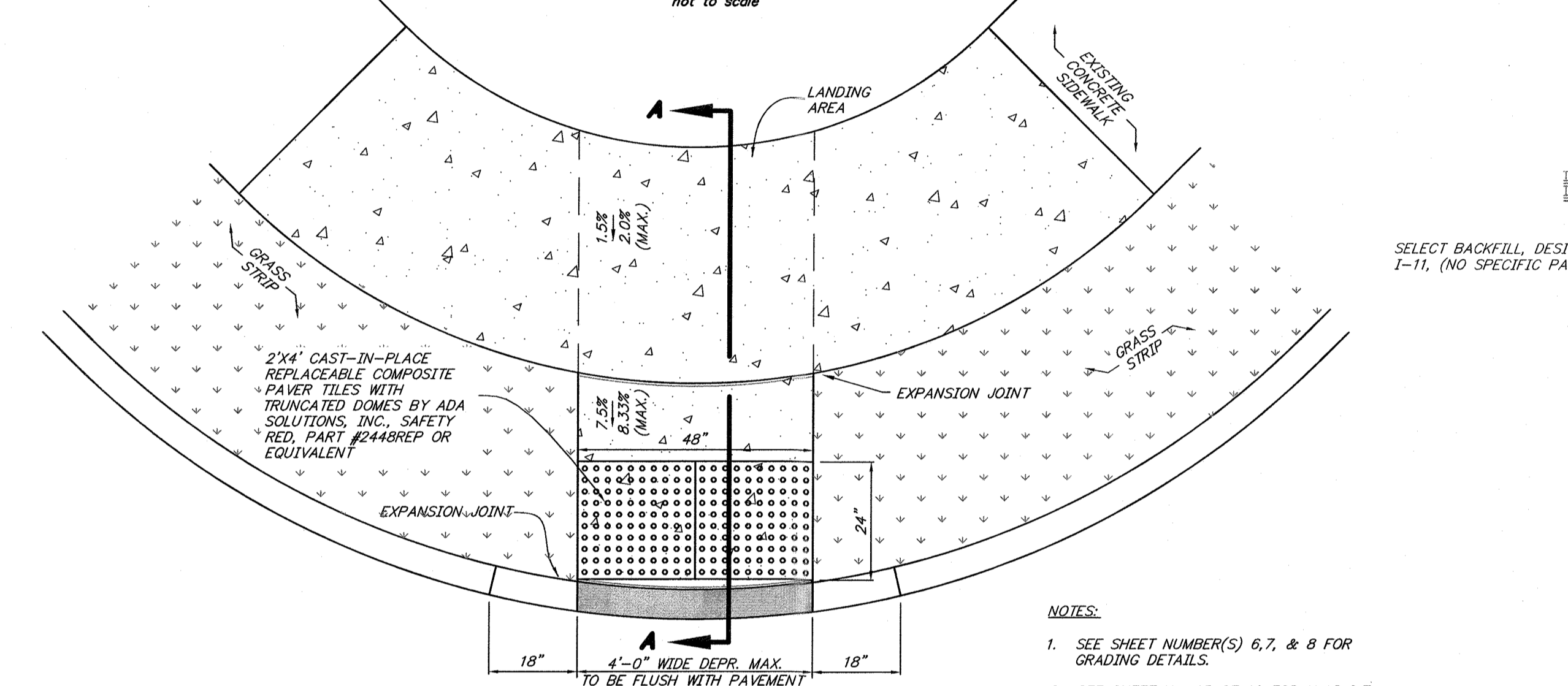
CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

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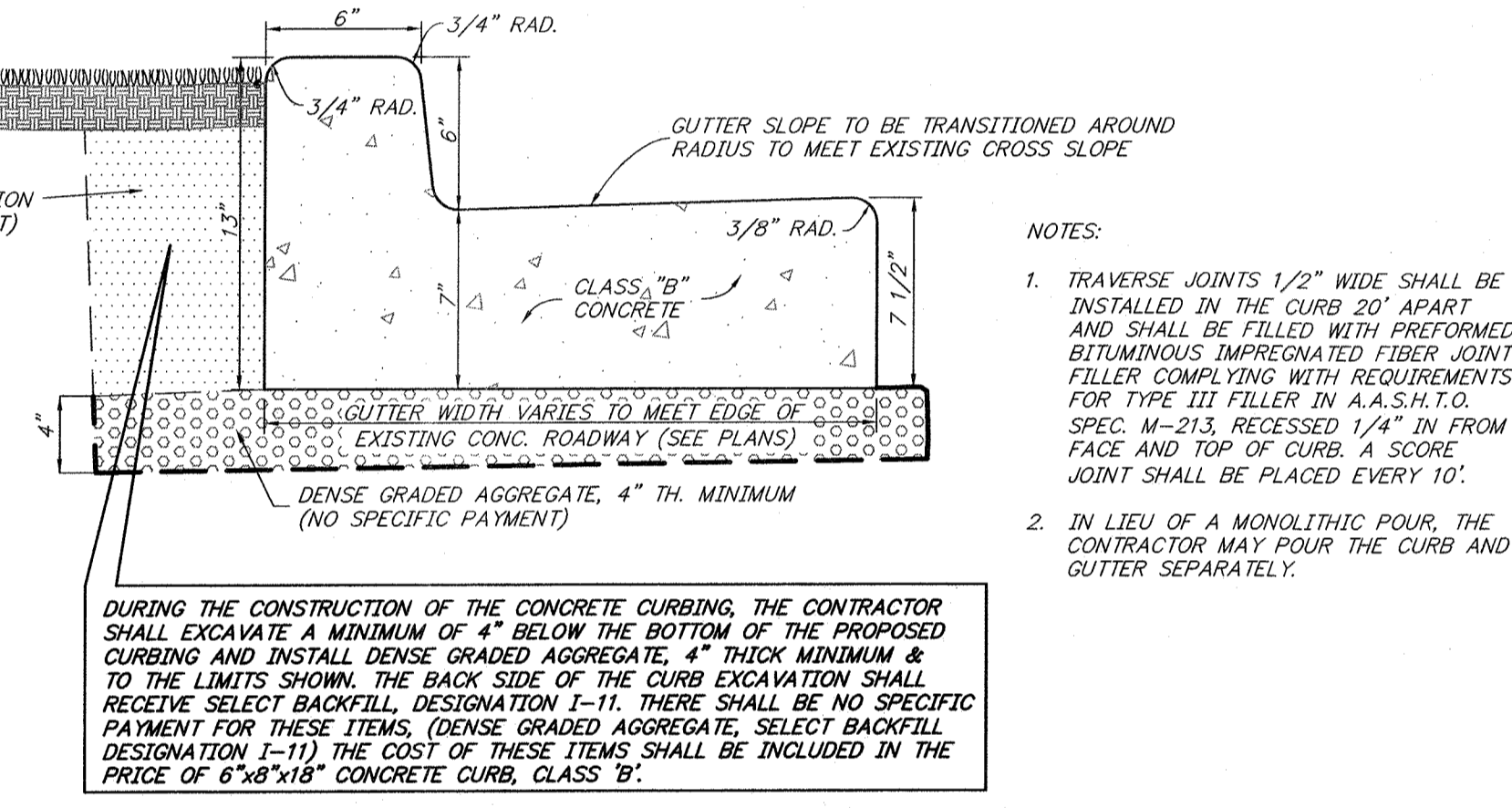
REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Traffic Control Plan				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End)				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23	DRAWN BY: S.H.	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 25-2630K0522	FIELD BOOK/PAGE:	SHEET No. 14 OF 18		
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853		PAPE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076		
KEY ENGINEERS, INC.		INC.		
80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 CERTIFICATE OF AUTHORIZATION #246A28041300		PHONE: (908) 767-6111 FAX: (908) 763-1091 WWW.KEYENGINEERS.COM		
				DATE: 11/2/23



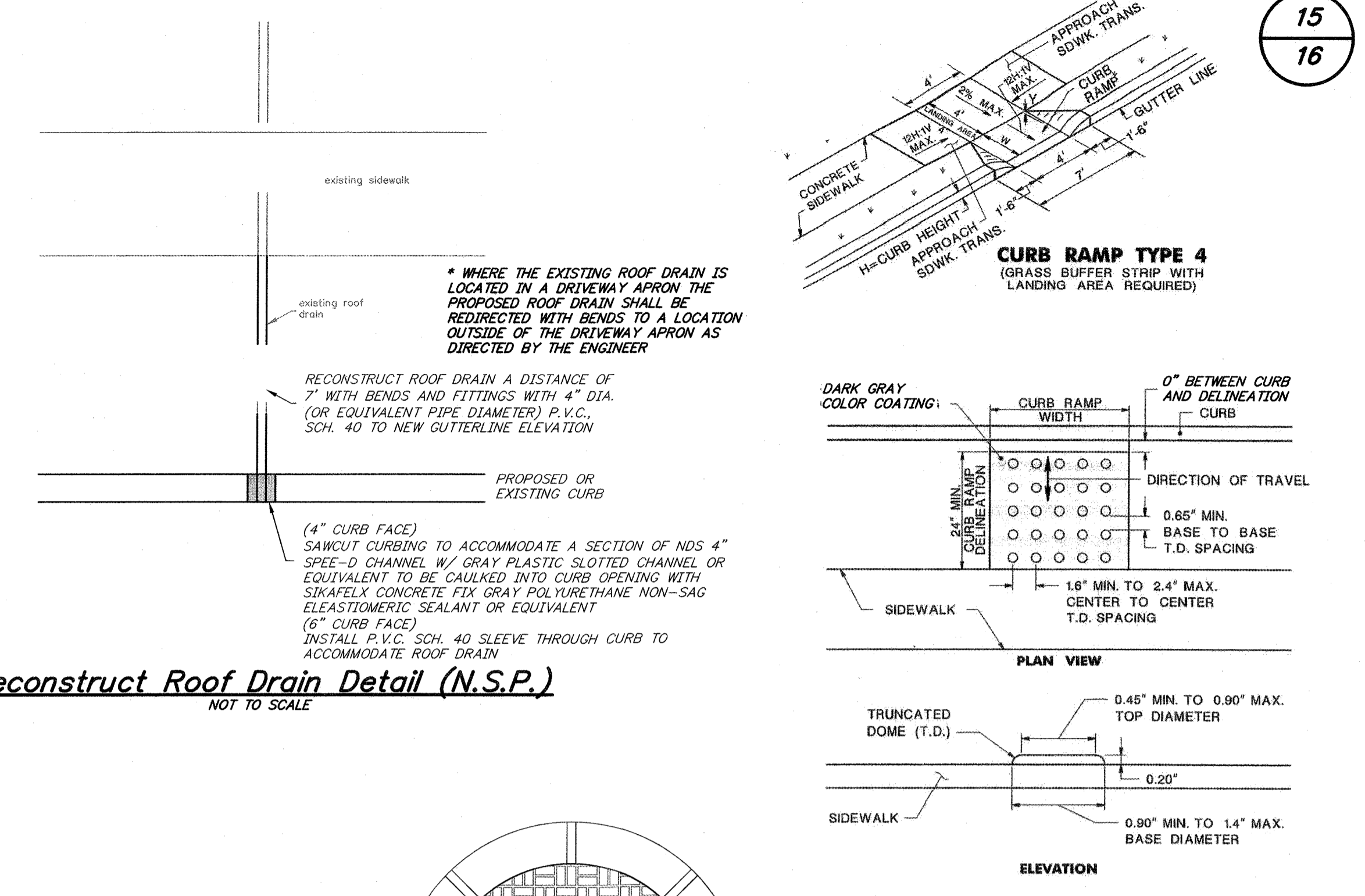
Concrete Driveway Apron/Sidewalk, 6" Thick, Class 'B' w/Dense Graded Aggregate Subbase, 4" Thick & Curb Depression Detail



6"x8"x18" Conc. Curb w/ Select Backfill Designation I-11, and Dense Graded Aggregate (Detail and Cross-Section)

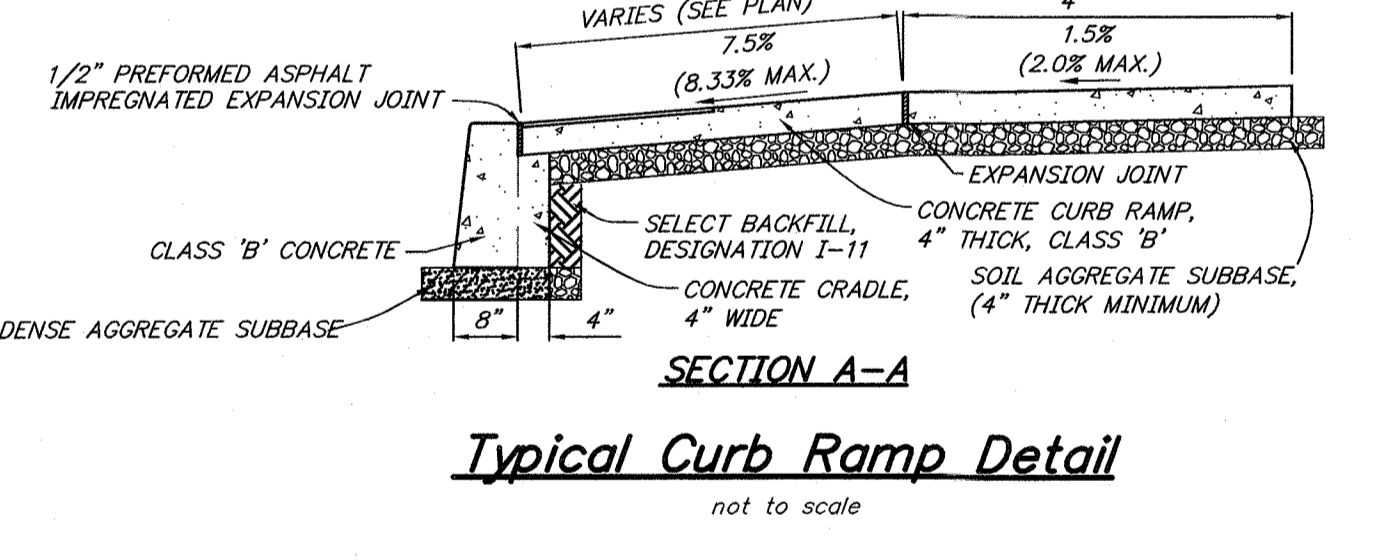


Monolithic Concrete Curb and Gutter Combination, Class 'B' with Select Backfill Designation I-11 and Dense Graded Aggregate Subbase, 4" thick

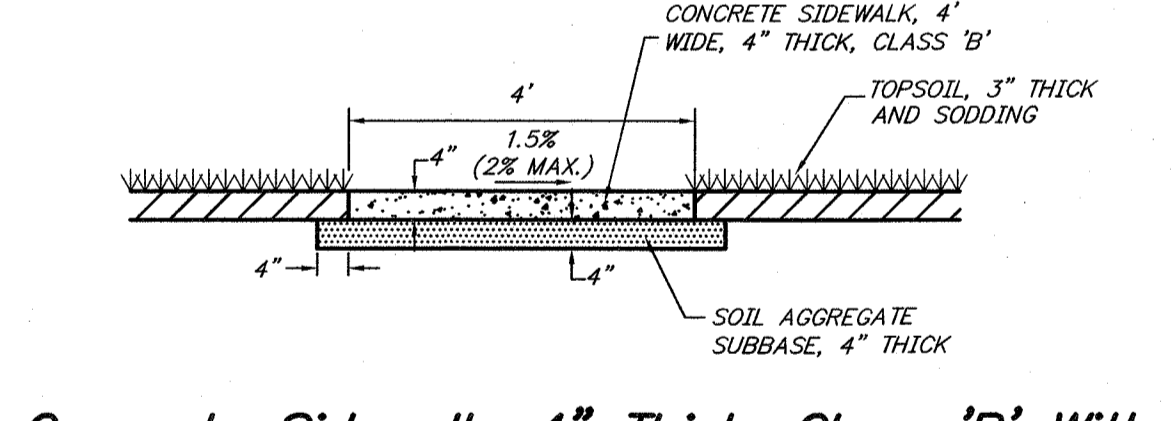


Reconstruct Roof Drain Detail (N.S.P.)

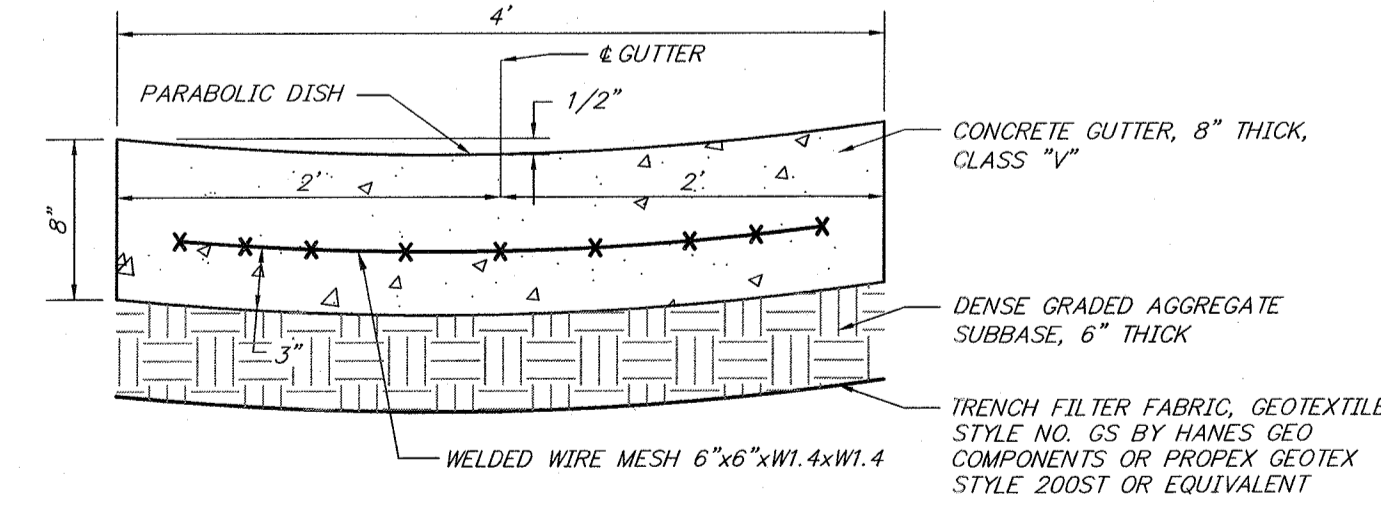
DETECTABLE WARNING SURFACE



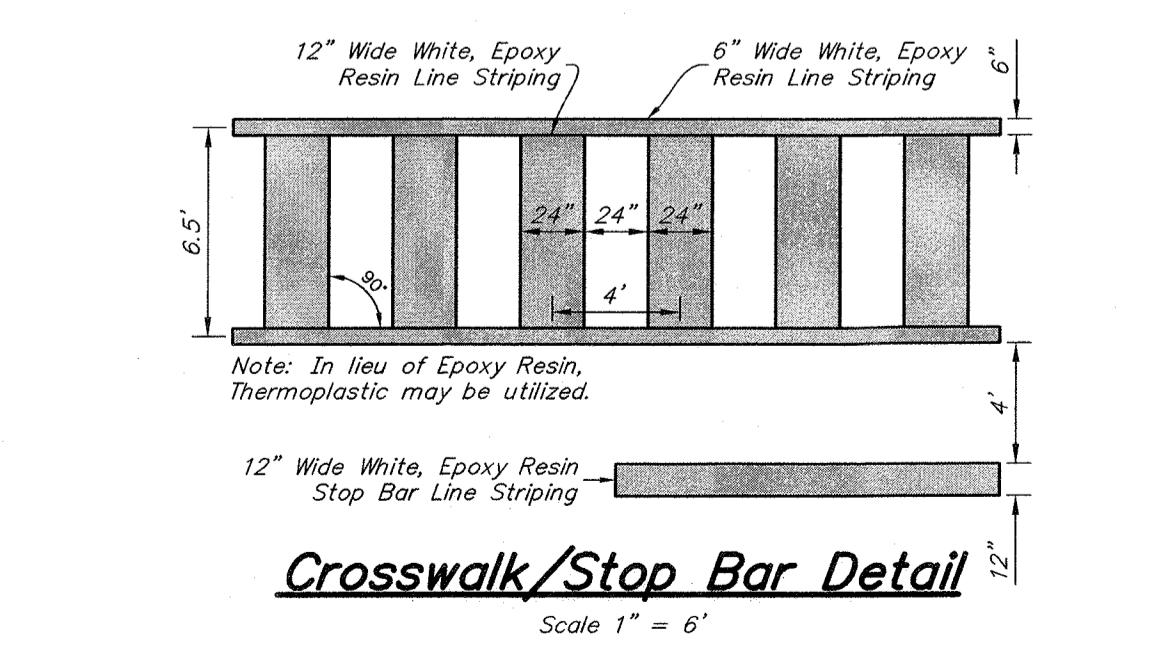
Typical Curb Ramp Detail



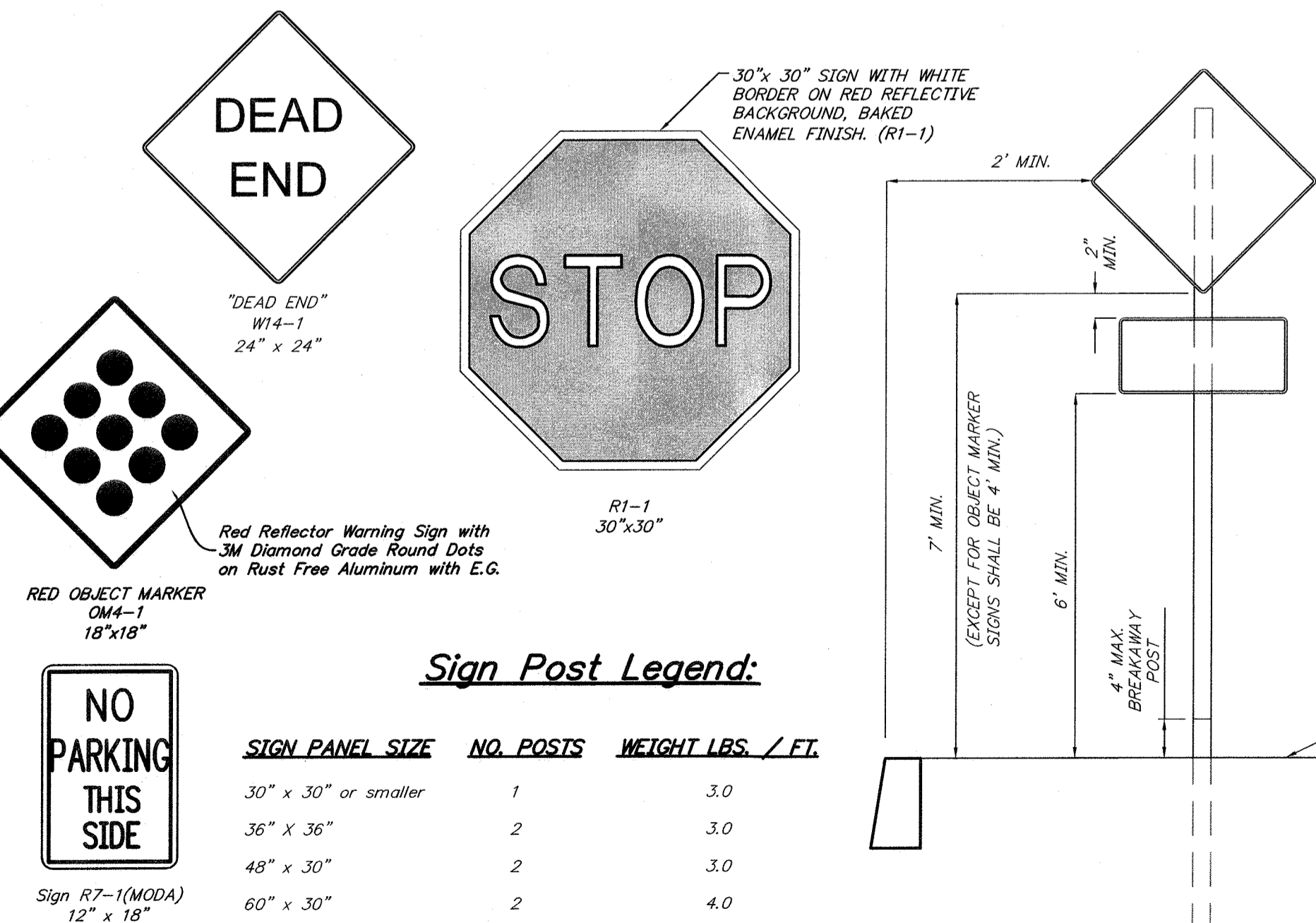
Concrete Sidewalk, 4" Thick, Class 'B' With Soil Aggregate Subbase, 4" Thick Detail



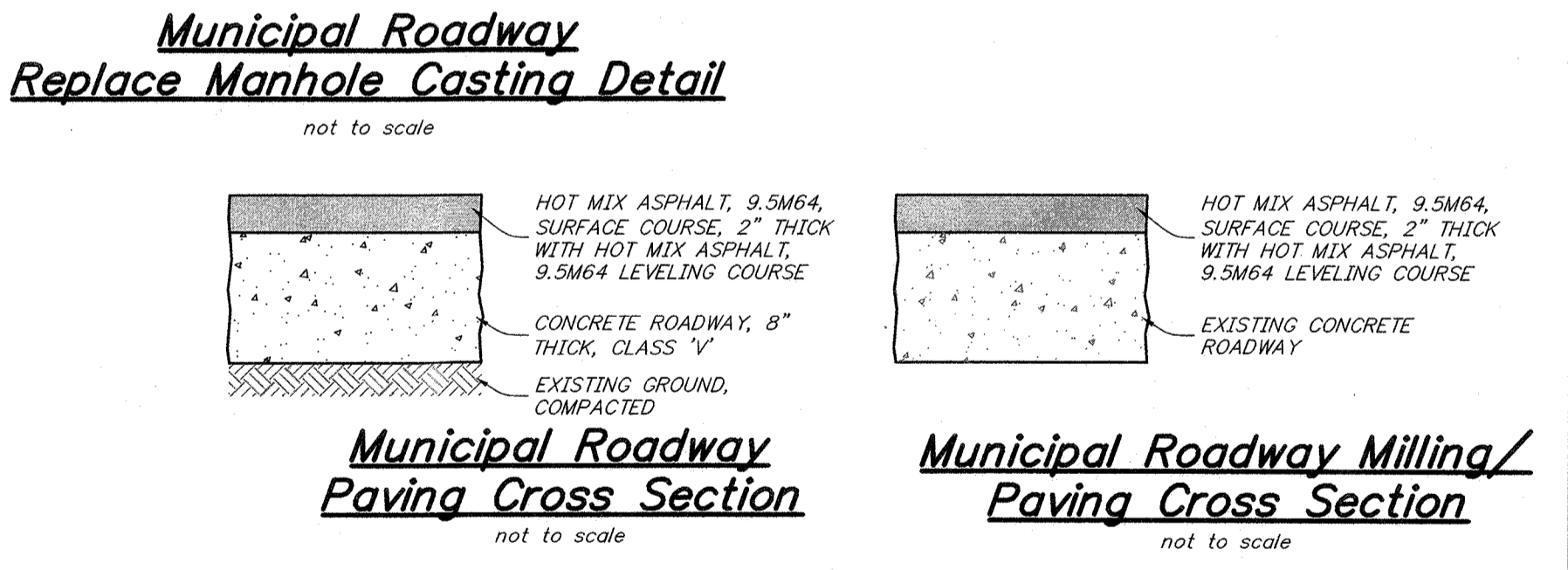
Concrete Rocker Gutter, 8" Thick, Class 'B' w/Welded Wire Mesh 6"x6"xW1.4xW1.4, Dense Graded Aggregate Subbase, 6" Thick and Trench Filter Fabric Detail



Crosswalk/Stop Bar Detail



Sign Post Legend:



Municipal Roadway Replace Manhole Casting Detail

Municipal Roadway Paving Cross Section

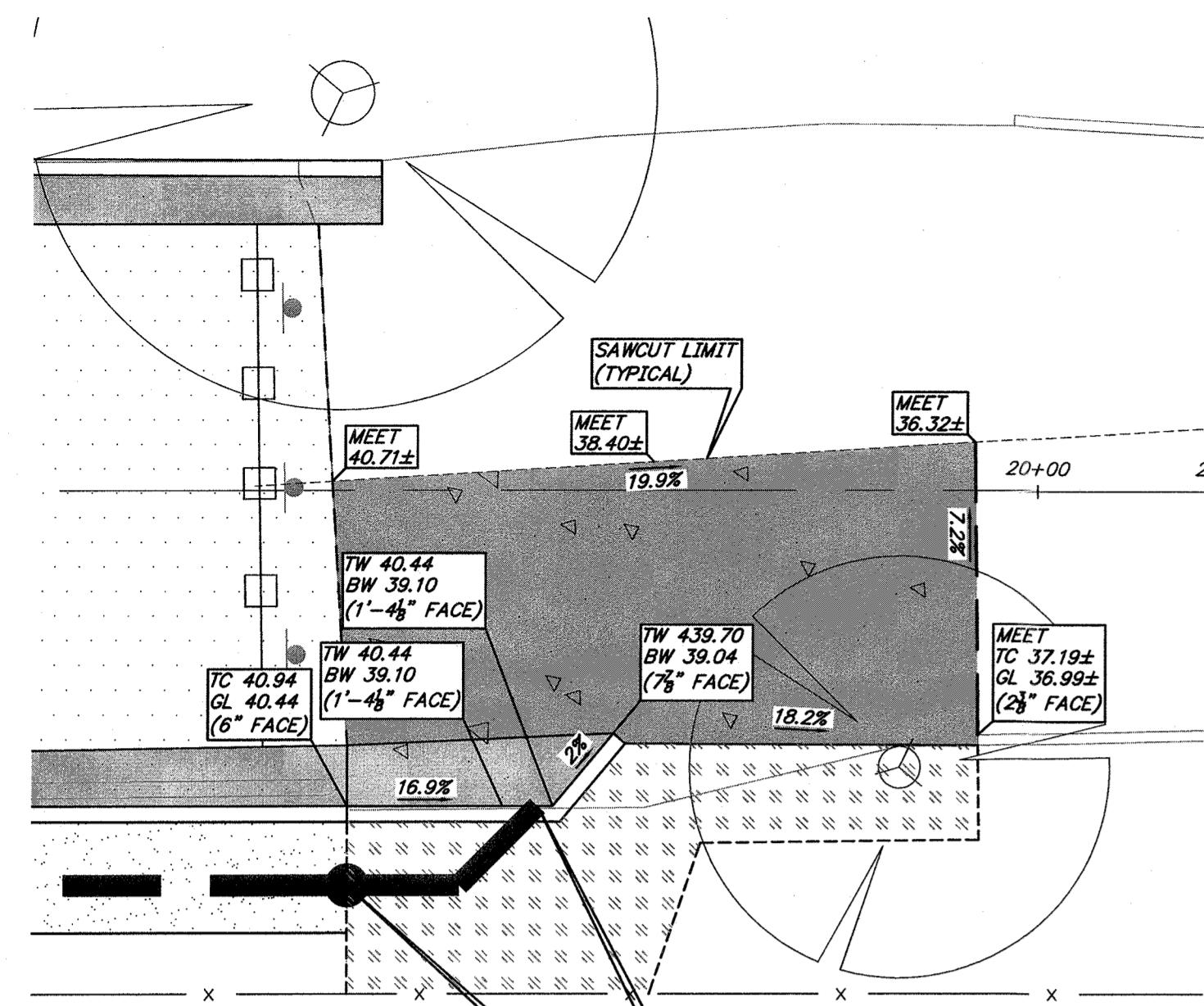
Municipal Roadway Milling/Paving Cross Section

- NOTES:**
- SIGNS SHALL CONFORM TO SECTION 911 OF THE STANDARD SPECIFICATIONS
 - SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH M.U.T.C.D. GUIDELINES
 - SIGNS SHALL BE MOUNTED ON BREAKAWAY SIGN POSTS
 - SIGN POSTS SHALL BE SUPPLIED WITH BRITESIDE REFLECTIVE STRIPS OR EQUIVALENT THE ENTIRE LENGTH OF THE EXPOSED POST WITH THE COLOR MATCHING THE RESPECTIVE SIGN COLOR

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

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REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Details				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End) Station 16+00 to the Sta 19+78± (Dead End)				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23		DRAWN BY: S.H.		CHKD. BY:
PROJECT No. 25-2830K0522		FIELD BOOK/PAGE:		SHEET No. 15 OF 16
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
N.J.P.E. No. 32853		P.A.P.E. No. 036608-E NJ PROFESSIONAL PLANNER No. 4076		
KEY ENGINEERS, INC.		INC.		
80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 PHONE: (908) 767-6111 FAX: (908) 753-1091 WWW.KEYENGINEERS.COM		DATE: 11/2/23		



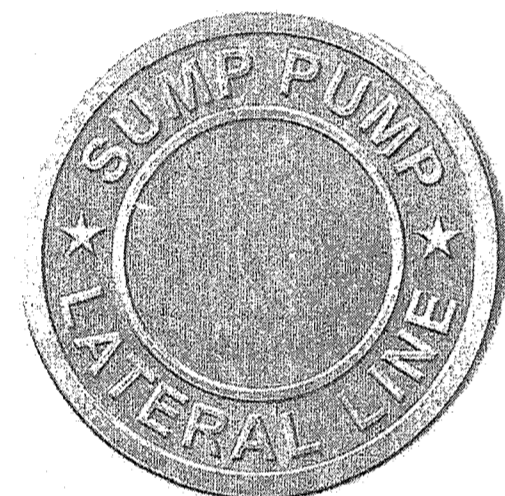
ALTERNATE No. 2:
CONSTRUCT STORM SEWER CLEANOUT, COMPLETE, WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND SOIL STABILIZATION FABRIC, 1 UNIT CAP 40.81 INV. 39.21 (8" DIA. P.V.C. SCH. 40 IN & OUT)

ALTERNATE No. 2:
PROPOSED 8" DIA. STORM SEWER INV. 39.10

Plan: End of Roadway Storm Sewer Detail

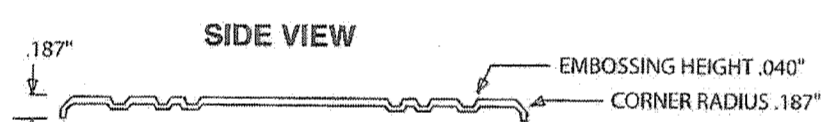
scale: 1" = 5'

TOP VIEW



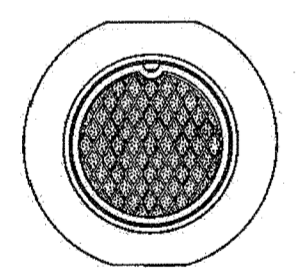
MARKER SHALL BE ALUMINUM COLOR TO BE NATURAL BY ALMETEK OR EQUIVALENT

*NOTE: MARKERS SHALL BE ATTACHED TO THE TOP OF CURB ADJACENT TO THE RESPECTIVE SUMP PUMP/ROOF DRAIN LATERAL & CLEANOUT WITH CONSTRUCTION ADHESIVE CONFORMING TO THE MANUFACTURER'S INSTRUCTIONS



Sump Pump Lateral Marker Detail

not to scale

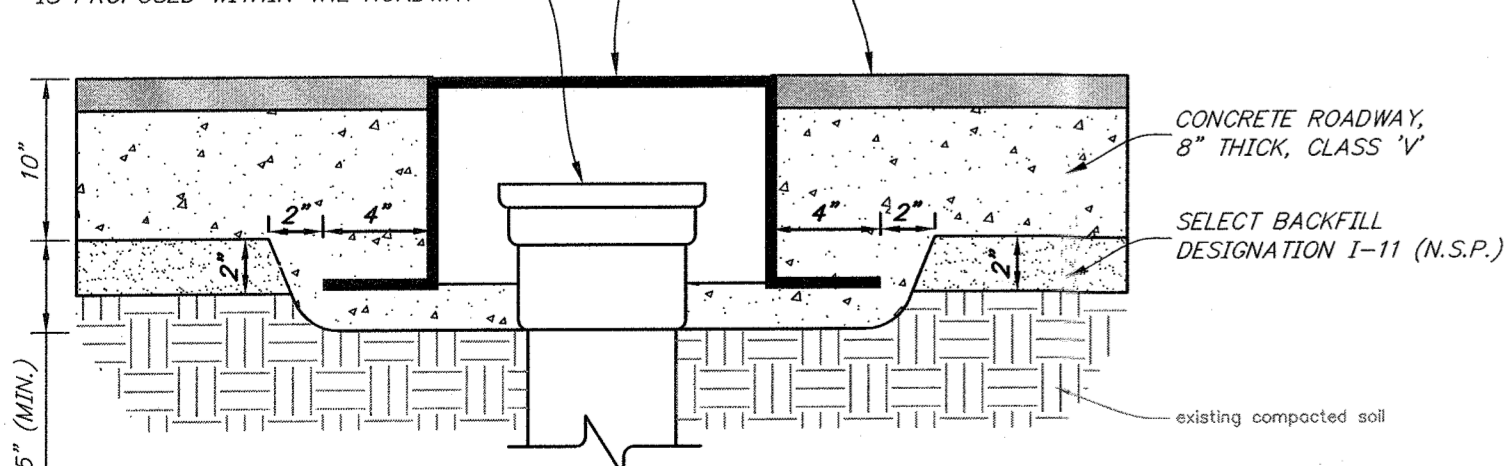


PATTERN NUMBER 4155

INSTALL ACCESS COVER, PATTERN NUMBER 4155 BY BRIDGESTATE FOUNDRY CORPORATION OR EQUIVALENT

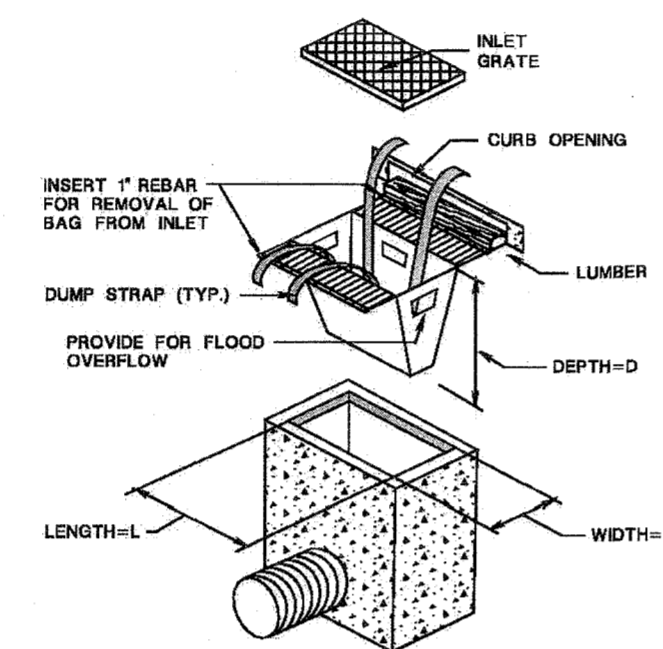
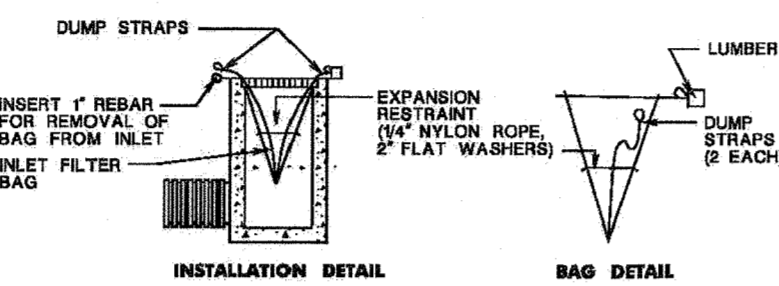
4" DIA. P.V.C. VENTED CAP & RISER AS NEEDED WHERE AN 8" DIA. P.V.C. SCH. 40 SUMP PUMP IS PROPOSED WITHIN THE ROADWAY

HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK AND HOT MIX ASPHALT, 9.5M64 LEVELING COURSE



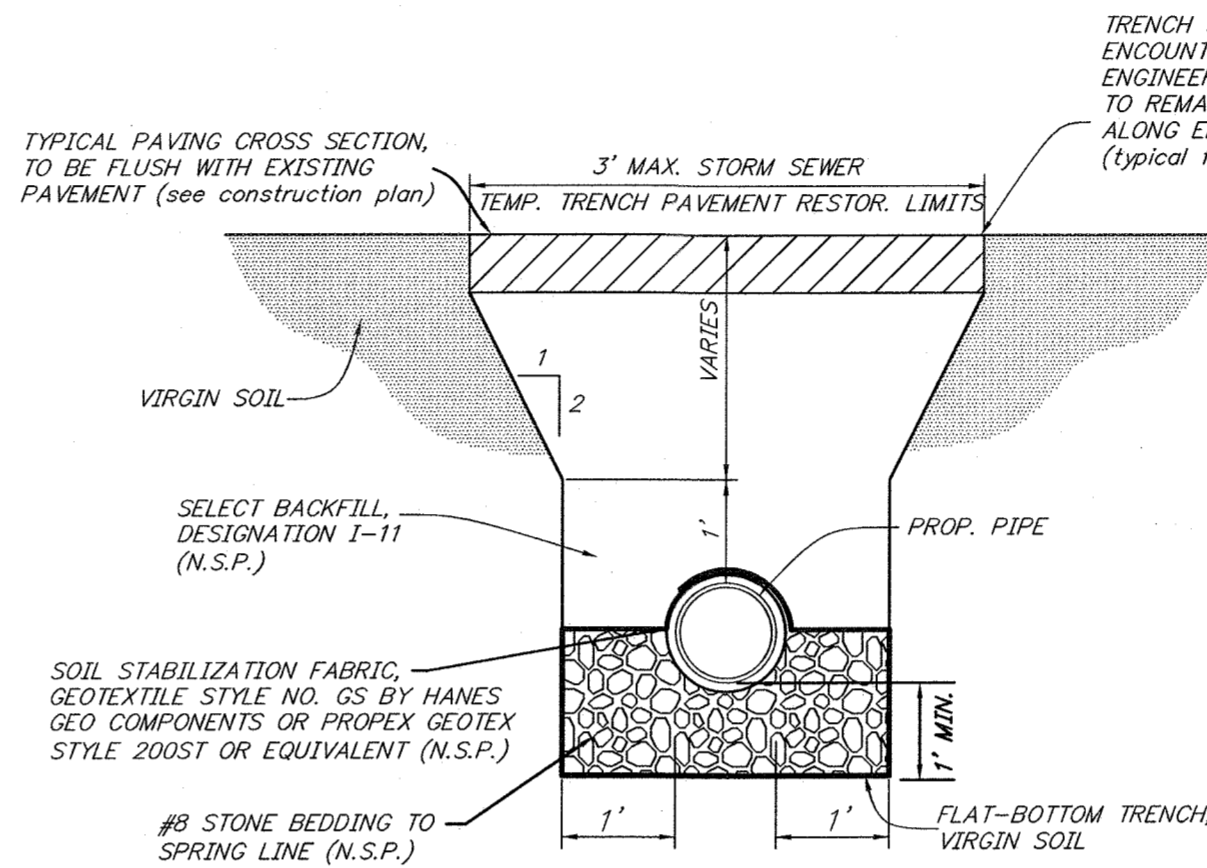
Concrete Roadway Cleanout Protection Box

N.T.S.



Inlet Filter, Type 2 Detail

not to scale



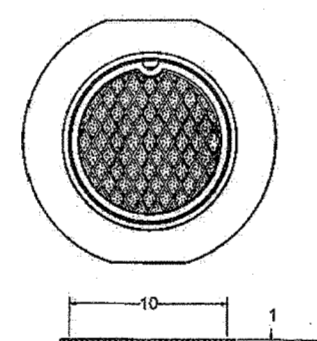
TRENCH SHALL BE SAWCUT TO WHATEVER DEPTH ENCOUNTERED, AS DIRECTED BY THE ENGINEER, WITHOUT DAMAGING PAVEMENT TO REMAIN. INSTALL HOT ASPHALTIC SEALER ALONG EDGE AND NARROW BAND ALONG SURFACE. (typical for both sides)

NOTE:

- ALL TRENCH WORK REQUIRED SHALL BE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, 1990 (O.S.H.A. 226) AND 29 CFR, PARTS 1926.650 THROUGH 1926.652.
- PIPE BACKFILL SHALL BE CAREFULLY PLACED AROUND AND HAND TAMPED UNDER, AROUND AND TO A POINT 1' ABOVE THE PIPE IN LAYERS NOT MORE THAN 6" TH. FROM THIS POINT TO THE SURFACE, THE BACKFILL SHALL BE MECHANICALLY TAMPED IN LAYERS NOT MORE THAN 1' TH. TO OBTAIN A MINIMUM OF 95% OF THE EXISTING BACKFILL MATERIAL SOIL DENSITY. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THEIR METHOD OF COMPACTION TO ACHIEVE THE MINIMUM SOIL DENSITY, IN WRITING, FOR REVIEW AND APPROVAL.
- CONTRACTOR SHALL BE REQUIRED TO UTILIZE SELECT BACKFILL, DESIGNATION I-11 FOR BACKFILL MATERIAL (NO SPECIFIC PAYMENT)
- SOIL STABILIZATION FABRIC, GEOTEXTILE STYLE NO. GS BY HANES GEO COMPONENTS OR PROPEX GEOTEX STYLE 200ST OR EQUIVALENT SHALL BE INSTALLED (NO SPECIFIC PAYMENT)
- No. 8 STONE BEDDING SHALL BE PLACED 1 FOOT MINIMUM BELOW THE PIPE AND TO THE SPRING LINE OF THE PIPE. (NO SPECIFIC PAYMENT)

Trench Detail

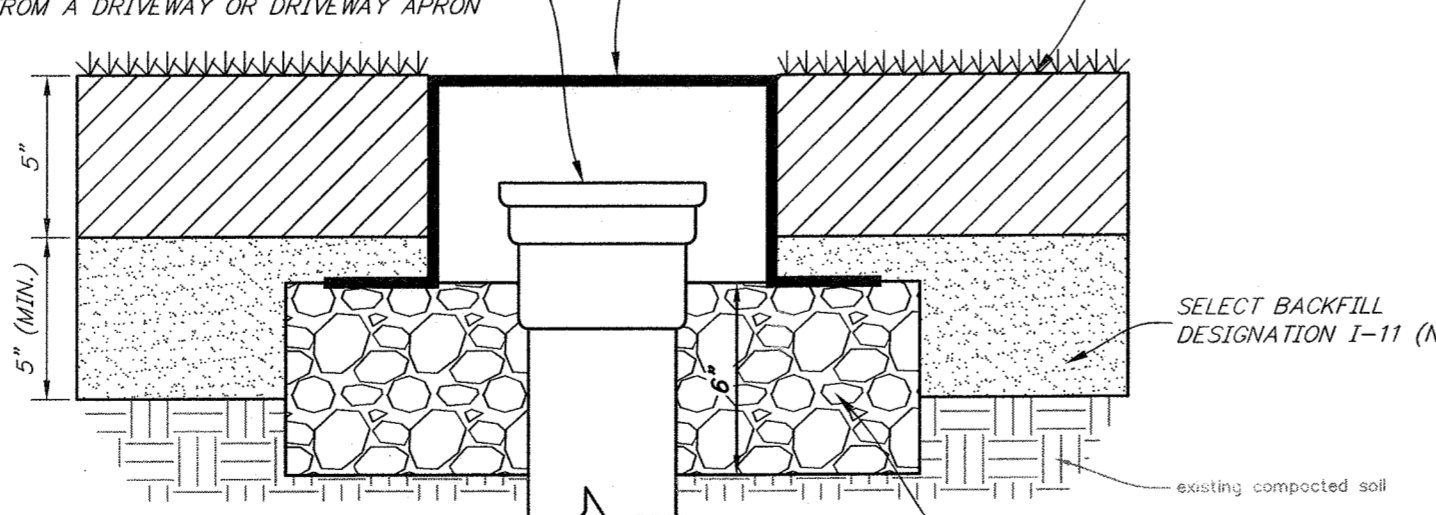
not to scale



PATTERN NUMBER 4155

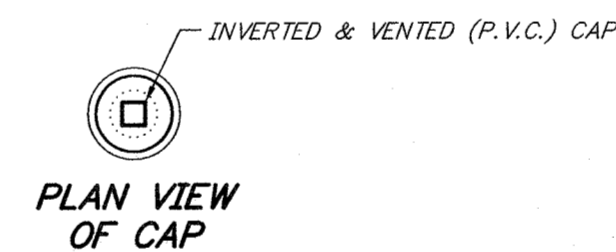
INSTALL ACCESS COVER, PATTERN NUMBER 4155 BY BRIDGESTATE FOUNDRY CORPORATION OR EQUIVALENT

4" DIA. P.V.C. VENTED CAP & RISER AS NEEDED WHERE A SUMP PUMP/ ROOF DRAIN LATERAL CLEANOUT IS PROPOSED WITHIN 1' FROM A DRIVEWAY OR DRIVEWAY APRON

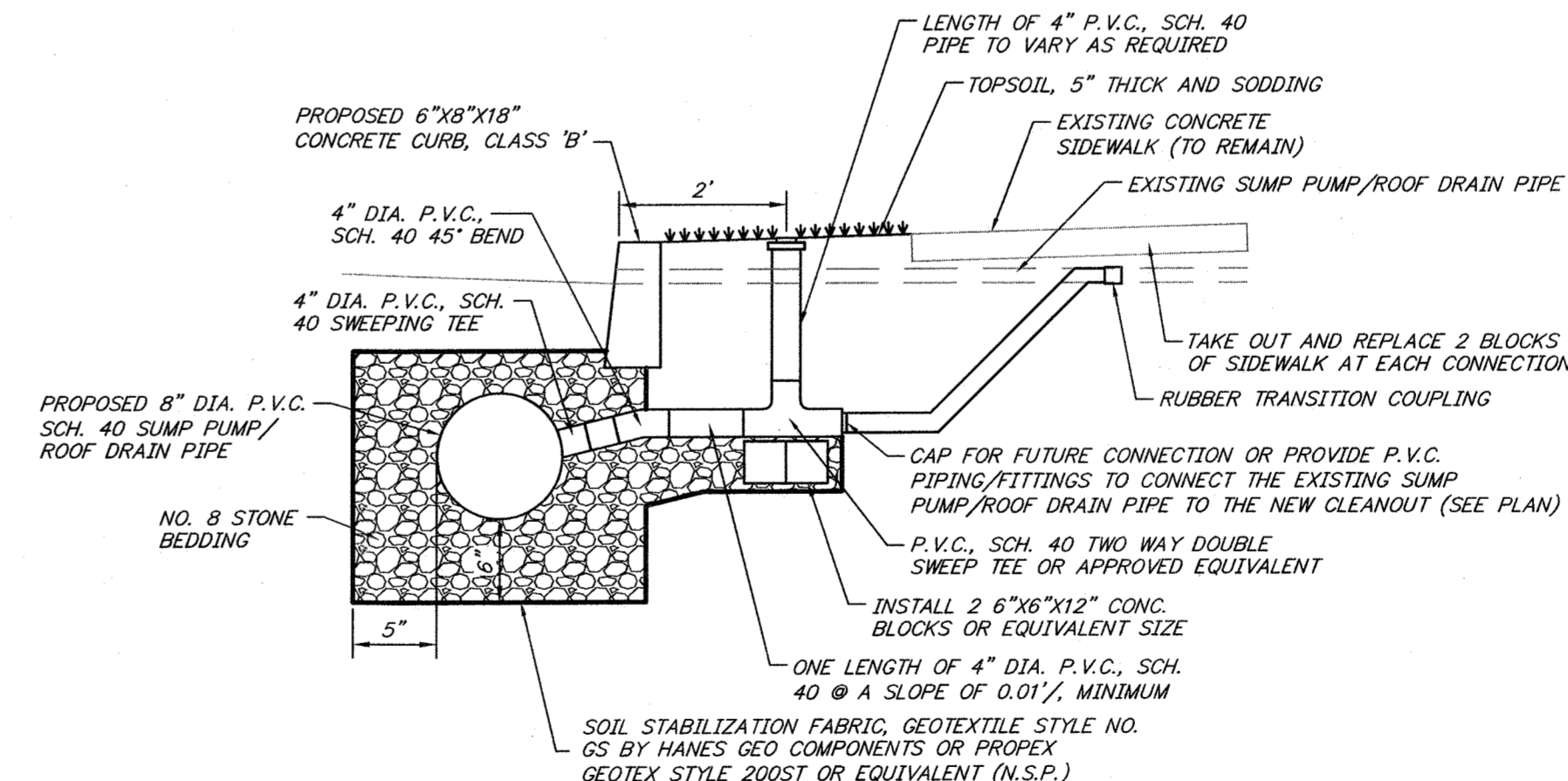


Grass Area Cleanout Protection Box

N.T.S.



PLAN VIEW OF CAP



4" Dia. P.V.C., Sch. 40 Sump Pump/ Roof Drain Lateral and Cleanout, Complete, Detail

not to scale

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2023

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Storm Sewer Details				
Improvements to Goff Avenue from Kendall Blvd (CR 650) to Peters Creek (Dead End) Station 16+00 to the Sta 19+78± (Dead end)				
Borough of Oaklyn Camden County, New Jersey				
DATE: 5/9/23	DRAWN BY: S.H.	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 25-2630K0522	FIELD BOOK/PAGE:	SHEET No. 16 OF 16		
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853		PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076		
80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 CERTIFICATE OF AUTHORIZATION #240A28041300		phone: (856) 767-6111 fax: (856) 763-1001 www.keyengineers.com		
				DATE: 11/9/23